

Section 1 – Identification**Product Information**

Product Name: ACE2, His-Tag (Catalog # 11003)

****For Research Use Only. Not for diagnostic or therapeutic use. ******Intended use:** This recombinant protein is intended for research use only.**Components:** Single vial (frozen)

Component Name	Amount
ACE2, His-Tag, CAT #11003-1	20 µg
ACE2, His-Tag, CAT #11003-2	100 µg

Section 2 – Hazards Identification**Classification of the substance or mixture**

According to Regulation (EC) No1272/2008

We are not aware of any hazards associated with this product or its ingredients at the concentrations used, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Exercise due care.

Emergency Overview

Significant health effects are not anticipated from routine use of these proteins when following the precautions listed within this SDS. None of the Research Reagents listed within this SDS are considered hazardous as defined by the Occupational Safety and Health Administration (OSHA), the Canadian Workplace Materials Information System (WHMIS), and the European Union (EU) Directives 1999/45/EC and 67/548/EEC. **Follow Universal Precautions as necessary.**

Section 3 – Composition/Information on Ingredients**Composition**

ACE2, His-Tag: This reagent consists of purified recombinant protein in Tris buffer. No azide or thimerosol is present. The physical properties of this reagent have not been investigated thoroughly.

Hazardous Chemicals: There are no hazardous chemicals contained within these Research Reagents at concentrations greater than 1% or 0.1% for extremely hazardous chemicals. **Note:** No preservatives used within these reagents.

Potentially Infectious Materials: None. These components are not derived from or contain material of human or animal origin.

Synonym(s): None

EC Number: NA

CAS Number: NA

Section 4 – First Aid Measures

General Advice*In case of skin contact:*

Wash affected area with soap and water. Seek medical advice if irritation develops.

In case of eye contact:

Rinse cautiously with water for at least 15 minutes. If eye irritation persists get medical attention.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice.

Section 5 – Fire Fighting Measures**General Advice***Extinguishing Media:*

For small fires, use dry chemical, water spray, carbon dioxide or alcohol-resistant foam.

General Fire Hazards:

The products will not significantly contribute to the intensity of a fire.

Section 6 – Accidental Release Measures**General Advice***Personal Precautions:*

Use personal protective equipment, including protective gloves and safety glasses when cleaning up small spills of the Research Reagents.

*Materials and Methods
for Clean-up:*

Thoroughly wash the area with a 10% bleach solution and place clean-up materials in a sealed container for proper disposal.

Environmental

No environmental hazard is anticipated. Avoid disposing of these reagents down the

Precautions:

drain.

Section 7 – Handling and Storage**Specific Use**

For Research Use Only. Not for use in diagnostic procedures or by the general public. This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, and agricultural application.

Precautions for Safe Handling

As with all biological substances, avoid getting the Research Reagents ON YOU or IN YOU. Do not eat or drink while handling these proteins. The Research Reagents should be handled only by qualified clinical or laboratory employees who are familiar with the potential hazards. Universal Precautions should be followed.

Conditions for Safe Handling

To maintain efficacy, store according to the Technical Data Sheet or Package Insert.

Incompatibilities

None

Section 8 – Exposure Controls and Personal Protection

Exposure Limits

Not applicable.

Exposure Controls

Personal Protective Equipment (PPE): Handle with gloves (nitrile or equivalent). Gloves should be inspected prior to use. Use proper glove technique to remove gloves to avoid contact with skin. Wear safety glasses with side shields or goggles to prevent eye contact. Use body protection appropriate for the task. A laboratory coat is recommended.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after handling the Research Reagents and at the end of the workday.

Environmental Exposure Controls: Use with adequate ventilation to prevent potential exposure to aerosols.

Section 9 – Physical and Chemical Properties

Characteristic	Recombinant Protein– Research Reagents
pH	Neutral
Solubility in Water	Soluble
Appearance	Clear liquid when thawed
Odor	Odorless

Section 10 – Stability and Reactivity

Characteristic	Recombinant Protein– Research Reagents
Component Stability	Stable
Hazard Reaction Potential	Will not occur
Conditions to Avoid	None
Materials to Avoid	None
Hazardous Decomposition Products	Not determined

Section 11 – Toxicological Information**Acute Toxicity**

These Research Reagents do not contain any chemicals at concentrations known to cause acute toxicity.

Carcinogenicity

These Research Reagents do not contain any chemicals listed as carcinogens by any of the following: ACGIH, IARC, NTP or OSHA. These Research Reagents do not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 12 – Ecological Information**Ecotoxicity, Persistence/Degradability, Bioaccumulation, Mobility in Soil, PBT and vPvB Assessment**

No information available for these Research Reagents.

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid disposal of these Research Reagents down the drain.

Section 13 – Disposal Considerations**Disposal of Product and Contaminated Packaging**

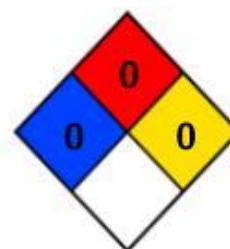
Dispose of waste materials, unused components and contaminated packaging in compliance with country (e.g., Canada, EU, Japan, etc.), federal, state and local regulations. If unsure of the applicable regulatory requirements, contact the authorities for information.

Section 14 – Transportation Information**U.S. Department of Transportation (DOT), Canadian Transportation, International Air Transportation (IATA)**

Not regulated for transportation.

Section 15 – Regulatory Information**HMIS Classification:**

B = Safety Glasses and Gloves

NFPA Classification:**Section 16 – Other Information**

This MSDS has been prepared in accordance with ANSI Z400.1 format and the guidance provided under the Globally Harmonized System (GHS). Every effort has been made to adhere to the hazard criteria and content requirements of the US OSHA Hazard Communication Standard, European Communities Safety Data Sheets Directive, Canadian Controlled Products Regulations, UK Chemical Hazard information and Packaging Regulations, and UN Globally Harmonized System of Classification and Labeling of Chemicals.

The hazard ratings on this MSDS are for appropriately trained workers using the Hazardous Materials Identification System (HMIS®) or a National Fire Protection Association (NFPA) 704 Program. The ratings are estimates and should be treated as such. The hazard rating scales range from (0) minimal hazards to (4) significant hazards or

risks (Refer to Definitions of Terms at the end of this MSDS). Chronic (long-term) health effects are indicated in the HMIS by an asterisk (*). HMIS is a registered trade and service mark of the NPCA. For details on HMIS ratings visit www.paint.org/hmis. For details on NFPA 704 visit www.nfpa.org.

Key / Legend

CAS# = Chemical Abstract Service Number	IMO = International Maritime Organization
DOT = Department of Transportation	IATA = International Air Transport Association
EEC = European Economic Community	NFPA = National Fire Protection Association
EPA = Environmental Protection Agency	NIOSH = National Institute of Occupational Safety and Health
EU = European Union	NTP = National Toxicology Program
GHS = Globally Harmonized System	OSHA = Occupational Safety and Health Administration
HMIS = Hazardous Materials Identification System	PPE = Personal Protective Equipment
IARC = International Agency for Research on Cancer	SDS = Safety Data Sheet

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