

Product Information: Recombinant human Activin A, 50µg

1. Introduction

Activin A is a member of the TGF-beta superfamily of cytokines and is involved in a wide range of biological processes including tissue morphogenesis and repair, fibrosis, inflammation, neural development, hematopoiesis, reproductive system function, and carcinogenesis. Human Activin A is a 26.0 kDa disulfide-linked homodimer of two β A chains, each containing 116 amino acid residues. Activin A is mainly used for stem cell cultivation in order to differentiate the stem cell into endoderm or mesoderm.

Source: *Escherichia coli*

Amino Acids Sequence:

GLECDGKVINI CCKKQFFVSF KDIGWNDWII APSGYHANYC EGECPSHIAG TSGSSLSFHS

TVINHYMRG HSPFANLKSC CVPTKLRPMS MLYYDDGQNI IKKDIQNMIV EECGGS



2. Materials Provided

Component	Volume	Storage
Recombinant human Activin A, 50µg (0.1 mg/ml)	500 µl	Store at -80°C

3. Preparation for Use

Recombinant human Activin A is provided frozen and can be stored at -80°C until use. Before use, this frozen product should be thawed on ice. Avoid repeated freeze-thaw cycles. As a general guide, if product is dispensed after the first thawing, do not store the aliquots at -20°C for more than 6 months (within 4 years from the manufacturing date) or at -80°C for more than 4 years from the manufacturing date.

4. Precaution and Disclaimer

Recombinant human Activin A is for research use only and is not for diagnostic use, therapeutic use (including clinical research), or as a food. Activin A is dissolved in 50 mM sodium acetate buffer, pH4.6 (0.2 µm filtered).

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AMSBIO | www.amsbio.com | info@amsbio.com

UK & Rest of the World 
184 Park Drive, Milton Park
Abingdon OX14 4SE.
T: +44 (0) 1235 828 200
F: +44 (0) 1235 820 482

North America 
1035 Cambridge Street,
Cambridge, MA 02141.
T: +1 (617) 945-5033 or
T: +1 (800) 987-0985
F: +1 (617) 945-8218

Europe 
Berenkoog 41,
1822 BH Alkmaar,
Netherlands
T: +31 (0) 72 80 80 244
F: +31 (0) 72 80 80 142

Switzerland 
Via Lisano 3,
(CP.683)
CH-6900
T: +41 (0) 91 604 55 22
F: +41 (0) 91 605 17 85

Germany 
Bockenheimer Landstr. 17/19
60325 Frankfurt/Main
T: +49 (0) 69 779099
F: +49 (0) 69 13376880