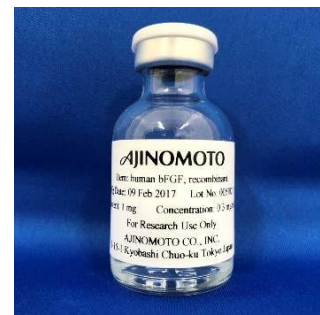


Product Information: human bFGF recombinant



1. Introduction

FGF basic (bFGF) is a member of the FGF family of cytokines and is involved in a wide range of biological processes including proliferation of many type of cells, neuron differentiation and maintenance of pluripotent state . bFGF is mainly used for stem cell cultivation in order to expand pluripotent stem cells or mesenchymal stem cells. Human bFGF recombinant is a 17.1 kDa, containing 154 amino acid residues.



Source: *Corynebacterium glutamicum*

Amino Acids Sequence:

AAGSITTLPA LPEDGGSGAF PPGHFKDPKR LYCKNGGFFL
 RIHPDGRVDG VREKSDPHIK LQLQAEERGV VSIKGVCANR
 YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYRSRKYT
 SWYVALKRTG QYKLGSKTGP GQKAILFLPM SAKS

2. Materials Provided

Code	Component	Size	Storage
AMS-FGF-100	Human bFGF recombinant (0.3 mg/ml)	1 mg	Store below -70°C

3. Preparation for Use

Human bFGF recombinant is provided frozen and can be stored below -70°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 below -70°C for more than 3 years from the manufacturing date.

4. Precaution and Disclaimer

Human bFGF recombinant is for research use only and is not for diagnostic use, therapeutic use (including clinical research), or as a food. The product is dissolved in PBS buffer containing 1 mM DTT.

For Research Use Only. Not Intended For Human or Animal Diagnostic or Therapeutic Uses

Version 1 (Nov 2019)

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SAMPLE: human bFGF recombinant



1. Materials Provided

Code	Lot	Conc	Volume	Required volume to adjust to 80ng/ml in 500ml StemFit Basic04
bFGF SP150UL	181011A	0.3 mg/ml	150 ul	133 ul
bFGF SP1ML	191010A	40 ug/ml	1 ml	1 ml

Samples provided with each order/sample of StemFit Basic 04 as of December 2019

2. Preparation for Use

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We recommend spin-down before use, because of the small volume.

For new users and cell lines we recommend starting with a concentration of bFGF of 80 ng/ml in StemFit Basic 04 medium.

This can be adjusted to suit your cell line, see StemFit Basic04 datasheet/protocol at <http://www.amsbio.com/datasheets/SFB-504.pdf>

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