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 PPGHKDPKR LYCKNGGFL
RIHPDGVRDG VREKSDPHIK LQLQAEERGV VS1KGCANR
YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYRSKYT
SWYVALKRTG QYKLGSKTGP QGKAILFLPM SAKS

2. Materials Provided

<table>
<thead>
<tr>
<th>Code</th>
<th>Component</th>
<th>Size</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS-FGF-100</td>
<td>Human bFGF recombinant (0.3 mg/ml)</td>
<td>1 mg</td>
<td>Store below -70°C</td>
</tr>
</tbody>
</table>

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)
SAMPLE: human bFGF recombinant

1. Materials Provided

<table>
<thead>
<tr>
<th>Code</th>
<th>Lot</th>
<th>Conc</th>
<th>Volume</th>
<th>Required volume to adjust to 80ng/ml in 500ml StemFit Basic04</th>
</tr>
</thead>
<tbody>
<tr>
<td>bFGF SP150UL</td>
<td>181011A</td>
<td>0.3 mg/ml</td>
<td>150 ul</td>
<td>133 ul</td>
</tr>
<tr>
<td>bFGF SP1ML</td>
<td>191010A</td>
<td>40 ug/ml</td>
<td>1 ml</td>
<td>1 ml</td>
</tr>
</tbody>
</table>

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

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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](http://www.amsbio.com/datasheets/SFB-504.pdf)