

bFGF Solution, Human, Recombinant (154 a.a.), Animal-origin free

bFGF is a recombinant protein expressed by *Corynebacterium glutamicum*. This gram-positive bacteria does not produce toxins such as endotoxin. Therefore, it has been used for amino acid production for food and pharmaceutical industry for more than 50 years.

*Manufactured by AJINOMOTO CO., INC

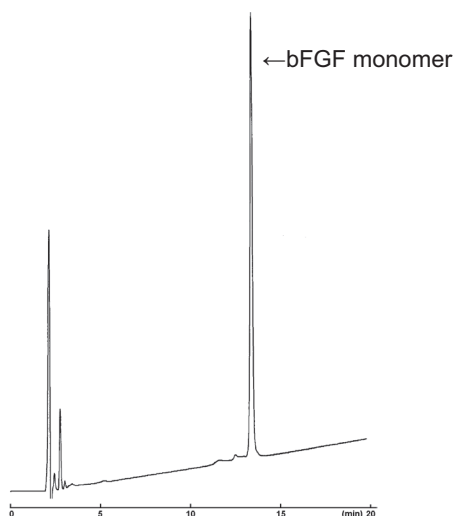
Features;

- High quality bFGF designed for cell culture
- Endotoxin tested (below 1 EU/μg) / sterilized by filtration
- Ready-to-use liquid form
- Animal-origin free

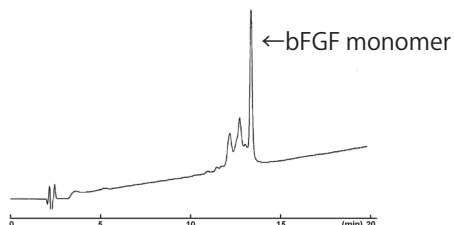
Purity

HPLC analysis

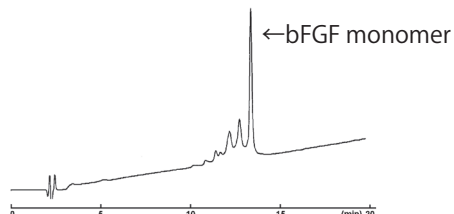
- Our product



- bFGF, animal-origin free from company A



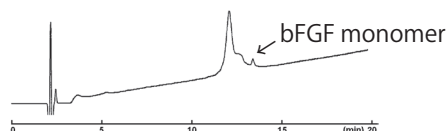
- bFGF, animal-origin free from company B



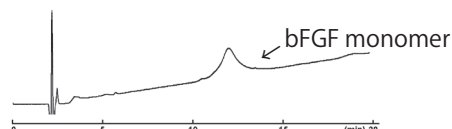
<Separation condition>

Column : COSMOSIL Protein-R
4.6 mmI.D.-150 mm(#06526-21)
Mobile phase : A:0.05%TFA-20%Acetonitrile
B:0.05%TFA-50% Acetonitrile
B conc. 0→100% 20 min Linear gradient
Flow rate : 1.0 mL/min
Temperature : 30°C
Detector : UV 220 nm, 0.128 AUFS
Injection volume : 1.5 μg
Cosmosil is a trademark of Nacalai Tesque, Inc.

- bFGF from company A



- bFGF from company B



By analysis of bFGF monomer by HPLC, our product has the highest monomer purity of those.

Specification

- Sequence:

1
AAGSITTLPA LPEDGGSGAF PPGHFKDKPKR LYCKNGGFFL RIHPDGRVDG
51
VREKSDPHIK LQLQAEERGV VSIKGVCANR YLAMKEDGRL LASKCVTDEC
101
FFFERLESNN YNTYRSRKYT SWYVALKRTG QYKLGSKTGP GQKAILFLPM
151
SAKS

- Format: PBS solution with 1 mmol/L DTT *bFGF concentration differs depending on production batch. Ask us if you need this information.
- Activity: Tested with stem cell culture *not disclosed test method
- Purity: 95% or greater by SDS-PAGE

Ordering Information

Product Name	Storage	Catalog Number	PKG Size
bFGF(basic FGF) Solution, Human, Recombinant(154 a.a.), Animal-Free	-80°C	19155-07	10 µg
		19155-36	5 X 10 µg
		19155-81	1 mg

Related product

Activin A Solution, Human, Recombinant

Activin A is an important protein on regenerative medicine research because of maintaining pluripotency of hPSCs and helping differentiation to cardiomyocyte. This product obtained written confirmation of raw material eligibility from the PMDA: the pharmaceutical regulatory and review agency of the Japanese Ministry of Health, Labor and Welfare.

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Features;

- Free from components of animal origin
- Frozen solution; easy to use
- High purity and activity
- High batch homogeneity

Reference

- Takebe, T. et al. Vascularized and functional human liver from an iPSC-derived organ bud transplant. Nature. 2013, 499(7459), p. 481-484.
- Takebe, T. et al. Massive and Reproducible Production of Liver Buds Entirely from Human Pluripotent Stem Cells. Cell Rep. 2017, 21(10), p. 2661-2670.
- Camp, J. G. et al. Multilineage communication regulates human liver bud development from pluripotency. Nature. 2017, 546(7659), p. 533-538.

Ordering Information

Product Name	Storage	Catalog Number	PKG Size
Activin A Solution, Human, Recombinant	-80°C	18585-36	10 µg
		18585-94	50 µg
		18585-81	1 mg

Please note that this product is for research use only. Please contact us if you need clinical or regenerative medicine research graded Activin A.

For research use only, not intended for diagnostic or drug use.



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