

Recombinant human FGF basic/FGF-2 protein

Catalog Number: ATGP3786

PRODUCT INFORMATION

Expression system

E.coli

Domain

143-288aa

UniProt No.

P09038

NCBI Accession No.

NP_001997

Alternative Names

Fibroblast growth factor 2, BFGF, FGFB, HBGF-2, FGF2, FGF-2, Basic fibroblast growth factor, bFGF, Heparin-binding growth factor 2

PRODUCT SPECIFICATION

Molecular Weight

16.5 kDa (147aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 50mM Tris-HCl buffer (pH 8.0)

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Fibroblast growth factor 2 (FGF2) is a member of the FGF family that binds heparin and plays important roles in morphogenic, neurotrophic and angiogenic processes. FGF2 possess diverse biological functions, such as neuron differentiation, embryonic development and differentiation, modulation of angiogenesis, and wound healing.

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Recombinant human FGF2 was expressed in E. coli and purified by conventional chromatography techniques.

Amino acid Sequence

MPALPEDGGS GAFPPGHFKD PKRLYCKNGG FFLRIHPDGR VDGVREKSDP HIKLQLQAE E RGVSISKGVC ANRYLAMKED
GRLLASKCVT DECFFFERLE SNNYNTYRSR KYTSWYVALK RTGQYKLGSK TGPQKAILF LPMSAKS

General References

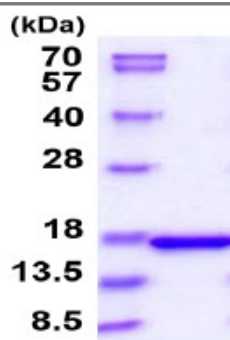
Nakayama T., et al. (2007) Blood. 109(2):1363-72.

A E Eriksson., et al. (1991) PNAS. 88:3441-3445

Raines, E.W. et al. (1985) Methods Enzymol. 109:749-73

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.