BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno-Řečkovice a Mokrá Hora

Date of issue: 17.10.2019

PRODUCT DATASHEET

Fibroblast Growth Factor 2 Human E. coli

Cat. No.: RD172581100
Type: Recombinant protein
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 153 AA. MW 17.3 kDa (calculated). UniProtKB acc. No. P09038 (Pro143-Ser288). N-terminal His-tag (7 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
Fibroblast Growth Factor-basic, FGF-2, HBGF-2, Prostatropin, FGF basic, FGF-basic

Introduction to the molecule

Research topic
Animal studies, Cardiovascular disease, Coronary artery disease, Neural tissue markers, Oncology

Amino Acid sequence
MHHHHHHPAL PEDGGSGAFP PGHFKDPKRL YCKNGGFFLR IHPDGRVDGV REKSDPHIKL QLQAEERGVV SIKGVCANRY LAMKEDGRLL ASKCVTDECF FFERLESNNY NTYRSRKYTS WYVALKRTGQ YKLGSKTGPG QKAILFLPMS AKS

Purity
Purity as determined by densitometric image analysis: > 95%

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM NaCl, 5%(w/v) trehalose, pH 7.5.

Reconstituion:
Add deionized water to prepare a working stock solution of approximately 0.25 mg/ml and let the lyophilized pellet dissolve completely.

Shipping
At ambient temperature. Upon receipt, store the product at the temperature recommended below.

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Storage, Stability/Shelf Life
Store the lyophilized protein at –80 °C. Lyophilized protein remains stable until the expiry date when stored at –80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80 °C for long term storage. Reconstituted protein can be stored at 4 °C for three days.

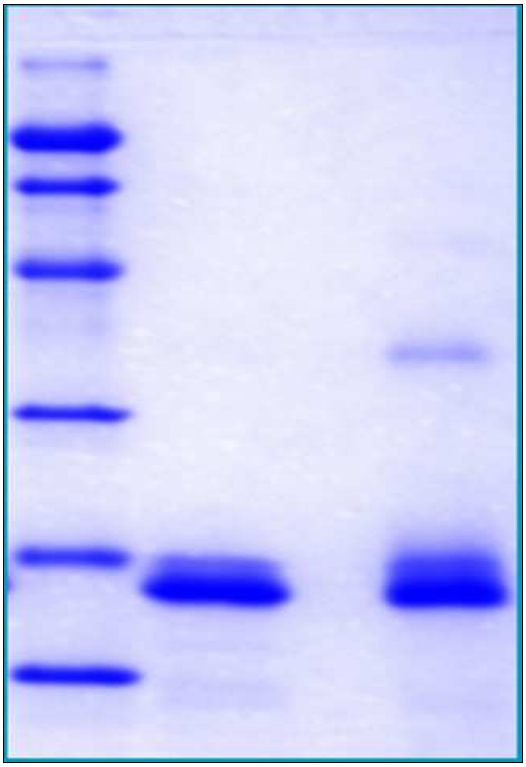
Quality control
BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

LAL to determine quantity of endotoxin.

Applications
ELISA, Western blotting

Note
This product is intended for research use only.



14 % SDS-PAGE separation of Human FGF-2 (E.coli):
1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane

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