

Human FGF-11, Isoform 2

Human Fibroblast Growth Factor-11, Isoform 2, recombinant

Synonyms: FGF 11 Iso2

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
20 µg	4674.950.020		
100 µg	4674.950.100		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant Human Fibroblast Growth Factor-11 Isoform 2 (FGF-11 Iso2) is a 166 amino acid protein, with a C-terminal His-Tag and a molecular mass of 18,5 kDa without His-Tag. It belongs to the fibroblast growth factor (FGF) family. FGF family members possess extensive mitogenic and cell survival functions, and are involved in various biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The expression pattern of the FGF-11 mouse homolog implies a role in nervous system development.

- **Biological Activity** $\geq 1 \times 10^6$ units/mg
- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, Ni-NTA-chromatography)
- **Endotoxin level** ≤ 0.01 ng/µg, (0,1EU/µg; LAL-Test)
- **Stabilizer** None
- **Buffer** PBS (1x), pH 7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ of ≤ 1.0 ng/ml was determined by the dose-dependent proliferation of NIH/3T3 cells. It corresponds to a specific activity of $\geq 1.0 \times 10^6$ units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in water to a concentration of at least 100 µg/ml. Do not vortex. Please allow sufficient time - at least 20min - for complete reconstitution. This solution can then be further diluted into working aliquots and stored at -20°C to -80°C. Working aliquots should be at the highest practical concentration and preferably be used within one month after reconstitution.

Stability

The lyophilized protein is stable at room temperature for up to 2 weeks and at least until the lot specific expiry date if kept below -18°C. Reconstituted FGF-11 should be stored in suitable working aliquots at -20°C to -80°C and used within one month after reconstitution. **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MSLSPEPQLK GIVTKLFCRQ GFYLQANPDG SIQGTPEETS SFTHFNLIPIV GLRVVTIQSA KLGHYMAMNA
 EGLLYSSPHF TAECRFKECV FENYYVLYAS ALYRQRRSGR AWYLGLDKEG QVMKGNRVKK TKAAAHFLPK
 LLEVAMYQEP SLHSVPEASP SSPPAPHHHH HH

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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SDS-PAGE

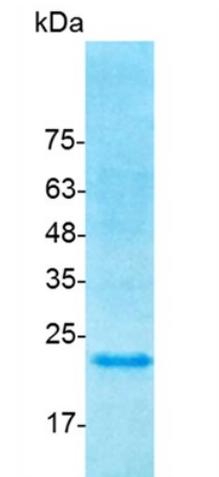


Fig. 1: SDS-PAGE analysis of recombinant human FGF-11 Isoform 2

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

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