



[Go to Product page](#)

Datasheet for ABIN7535418 FGF3 Protein

Overview

Quantity:	100 µg
Target:	FGF3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human FGF-3 Protein
Sequence:	DAGGRGGVYE HLGAPRRRK LYCATKYHLQ LHPSGRVNGS LENSAYSILE ITAVEVGIVA IRGLFSGRYL AMNKRGRLYA SEHYSAECEP VERIHELGYN TYASRLYRTV SSTPGARRQP SAERLWYVSV NGKGRPRRGF KTRRTQKSSL FLPRVLDHRD HEMVRQLQSG LPRPPGKGVQ PRRRR
Specificity:	Asp28-Arg212(N-Met)
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered

Target Details

Target:	FGF3
Alternative Name:	FGF-3 (FGF3 Products)
Background:	Description: Fibroblast Growth Factor 3 (FGF-3) belongs to the large FGF family which has at least 23 members. All FGF family members are heparin-binding growth factors with a core 120

Target Details

amino acid (aa) FGF domain that allows for a common tertiary structure. FGFs are expressed during embryonic development and in restricted adult tissues. They act on cells of mesodermal and neuroectodermal origin to regulate diverse physiologic functions including angiogenesis, cell growth, pattern formation, embryonic development, metabolic regulation, cell migration, neurotrophic effects and tissue repair. Signaling receptors for FGFs are type I transmembrane receptor tyrosine kinases belonging to the Ig superfamily. Four distinct but related classes of FGF receptors, FGF R1, 2, 3, and 4, exist. Through alternative splicing, multiple isoforms for FGF R1, 2 and 3, with distinct ligand recognition profiles, are also generated.

Name: FGF3,HBGF-3,INT2

Gene ID: 2248

UniProt: [P11487](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of 25 mM Tris, 1M NaCl, 1 mM TCEP, pH 8.0

Storage: -20 °C, -80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.