

FGF-12, human recombinant

CATALOG #: 7302-50 50 µg

ALTERNATE NAMES: FHF1, FGF12B, Fibroblast growth factor 12

SOURCE: E. coli

PURITY: > 90% by SDS-PAGE

MOL. WEIGHT: 22.6 kDa (201 aa, 1-181 aa + His Tag), confirmed by MALDI-TOF.

ENDOTOXIN LEVEL: < 1.0 EU per 1 microgram of protein

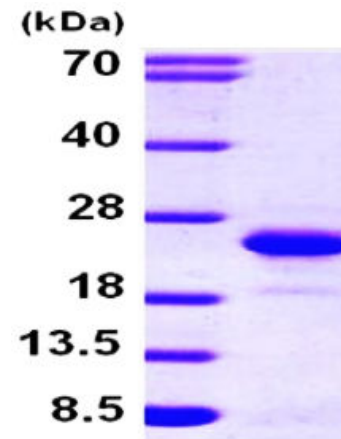
FORM: Liquid

FORMULATION: 1 mg/ml in 20 mM Tris pH 7.5, 10% glycerol, 1 mM DTT, 2 mM EDTA

STORAGE CONDITIONS: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: FGF12 (Fibroblast growth factor 12) is a member of the FGF superfamily of molecules which currently stands at 22 members. The FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. FGF12 binds to IB2 (islet brain-2), a cellular kinase scaffold, and voltage gated sodium channels and also plays an important role in intracellular signaling and ion exchange. Recombinant human FGF12 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE: MGSSHHHHHH SSGLVPRGSH MESKEPQLKG
 IVTRLFSQQG YFLQMHPDGT IDGTKDENS D YTLFNLIPVG LRVVAIQGVK
 ASLYVAMNGE GYLYSSDVFT PECKFKESVF ENYYVIYSST LYRQQESGRA
 WFLGLNKEGQ IMKGNRVKKT KPSSHFVPKP IEVCMYREQS LHEIGEKGQR
 SRKSSGTPTM NGGKVVNQDS T



15% SDS-PAGE (3µg)

FGF12, human recombinant

RELATED PRODUCTS:

- FGF- basic, murine recombinant (Cat # 7145-10, -50)
- Human Cell^{exp} Human Recombinant FGF-4 (Cat # 6449-10, -50)
- Human Cell^{exp} Human Recombinant FGF-7 (Cat # 6450-10, -50)
- Human Cell^{exp} Human Recombinant FGF-8b (Cat # 6451-10, -50)
- FGF- basic 147, human recombinant (Cat # 4036-10, -50, -1000)
- FGF-1, human recombinant (Cat # 4034-10, -50, -1000)
- FGF-1, murine recombinant (Cat # 4035-10, -50, -1000)
- FGF-10/KGF-2, human recombinant (Cat # 4060-25, -100, -1000)
- FGF-18, human recombinant (Cat # 4082-25, -100, -1000)
- FGF-19, human recombinant (Cat # 4542-25, -100, -1000)
- FGF-2, bovine recombinant (Cat # 4040-10, -50, -1000)
- FGF-2, human recombinant (Cat # 4037-10, -50, -1000)
- FGF-2, murine recombinant (Cat # 4038-10, -50, -1000)
- FGF-2, rat recombinant (Cat # 4039-10, -50, -1000)
- FGF-20, human recombinant (Cat # 4589-20, -100)
- FGF-21, human recombinant (Cat # 4066-100, -1000)
- FGF-21, murine recombinant (Cat # 4067-10, -1000)
- FGF-22, human recombinant (Cat # 4063-10, -100, -1000)
- FGF-4, human recombinant (Cat # 4043-25, -100, -1000)
- FGF-7/KGF, human recombinant (Cat # 4050-10, -50, -1000)
- FGF-8, human recombinant (Cat # 4053-25, -100, -1000)
- FGF-9, human recombinant (Cat # 4056-20, -1000)

FOR RESEARCH USE ONLY! Not to be used in humans.