Recombinant Human Fibroblast Growth Factor 12, His-tagged

Cat. No. FGF12-127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGF12 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques,22.6 kDa (201aa).
Species	Human
Source	E.coli
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.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MESKEPQLKG IVTRLFSQQG YFLQMHPDGT IDGTKDENSD YTLFNLIPVG LRVVAIQGVK ASLYVAMNGE GYLYSSDVFT PECKFKESVF ENYYVIYSST LYRQQESGRA WFLGLNKEGQ IMKGNRVKKT KPSSHFVPKP IEVCMYREQS LHEIGEKQGR SRKSSGTPTM NGGKVVNQDS T
Formulation	Liquid in 20mM Tris pH 7.5, 10% glycerol, 1 mM DTT, 2 mM EDTA
Purity	> 90% by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	1 mg/ml (determined by Bradford assay)
Storage	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.

GENE INFORMATION

Gene Name	FGF12 fibroblast growth factor 12 [Homo sapiens]
Synonyms	FGF-12; FGF12B; FHF-1; FHF1; Fibroblast growth factor homologous factor 1; Myocyte-activating factor; fibroblast growth factor 12; fibroblast growth factor 12B; fibroblast growth factor FGF-12b; FGF12
Gene ID	2257
mRNA Refseq	NM_004113
Protein Refseq	NP_004104
MIM	601513
UniProt ID	P61328
Chromosome Location	3q28
Pathway	
Function	growth factor activity

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PDBrendering based on 1q1u. Available structures:1q1u



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