9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FGF12 Human, His

Recombinant Human Fibroblast Growth Factor 12, His Tag
GRF0087

Product Overview

Name	FGF12 Human, His
Description	
Recombinant Human Fibroblast Growth Factor 12, His Tag	
Accession (Primary)	P61328
Synonyms	
FGF-12, FGF12, FGF12B, FHF1, Fibroblast growth factor 12, Fibroblast growth factor homologous factor 1, FHF-1, Myocyte-activating factor.	
Introduction	
FGF12 is part of the Fibroblast Growth Factor (FGF) family which has a vast mitogenic and cell survival functions, and play a role in a range of biological activities, among them are embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. FGF-12 doesn't obtain the N-terminal signal sequence present in the majority of the FGF family members, but it contains clusters of basic residues that act as a nuclear localization signal. When transfected into mammalian cells, FGF12 accumulated in the nucleus, but was not secreted. FGF12 is involved in nervous system development and function. FGF12 binds to IB2 (islet brain-2), a cellular kinase scaffold, and voltage gated sodium channels and is also involved in intracellular signaling and ion exchange.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile liquid colorless solution.	
Formulation	
The FGF-12 solution (1mg/ml) contains 20mM Tris pH-7.5, 1mM DTT, 2mM EDTA and 10% glycerol.	
Stability	
Store FGF12 at -20°C. Can be stored at 4°C for a limited period of time of 7 days.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MSSHHHHHH SSGLVPRGSH MESKEPQLKG IVTRLFSQQG YFLQMHPDGT IDGTKDENSD YTLFNLIPVG LRVVAIQGVK ASLYVAMNGE YLYSSDVFT PECKFKESVF ENYYVIYSST LYRQQESGRA WFLGLNKEGQ	

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IMKGNRVKKT KPSSHFVPKP IEVCMYREQS LHEIGEKQGR RKSSGTPTM NGGKVVNQDS T.

Precautions

FGF12 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P61328)