FGF12 (Human) Recombinant Protein

Catalog # P8611 Size 2 x 10 ug

Specification

Product Description	Human FGF12 partial recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.
Sequence	MSSHHHHHHSSGLVPRGSHMESKEPQLKGIVTRLFSQQGYFLQMHPDGTIDGTKDENSDYTLFNL IPVGLRVVAIQGVKASLYVAMNGEYLYSSDVFTPECKFKESVFENYYVIYSSTLYRQQESGRAWFL GLNKEGQIMKGNRVKKTKPSSHFVPKPIEVCMYREQSLHEIGEKQGRRKSSGTPTMNGGKVVNQ DST
Host	Escherichia coli
Theoretical MW (kDa)	22.6
Form	Liquid
Preparation Method	From Bovine Brain
Surface Modification	Greater than 90% as determined by SDS-PAGE.
Storage Buffer	Solution (1mg/ml) in 20mM Tris buffer (pH 7.5) containing 10% glycerol, 1mM DTT, 2mM EDTA.
Storage Instruction	Stored at 4°C for 7 days, should be stored at -20°C.

Applications

- SDS-PAGE

Gene Info — FGF12

Entrez GeneID	2257
Protein Accession#	P61328
Gene Name	FGF12

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Gene Alias	FGF12B, FHF1
Gene Description	fibroblast growth factor 12
Omim ID	601513
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. 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. This growth factor lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	fibroblast growth factor 12B|fibroblast growth factor FGF-12b|fibroblast growth factor homologous factor 1|myocyte-activating factor

Pathway

- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Regulation of actin cytoskeleton

Disease

- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Tobacco Use Disorder

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