

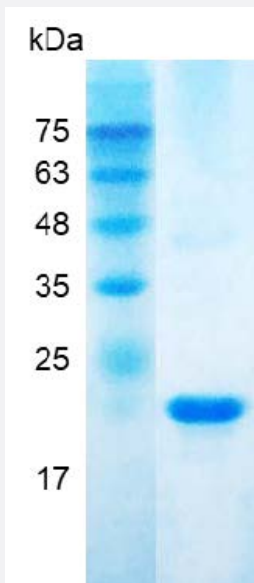
Bioactive

FGF12 (Human) Recombinant Protein

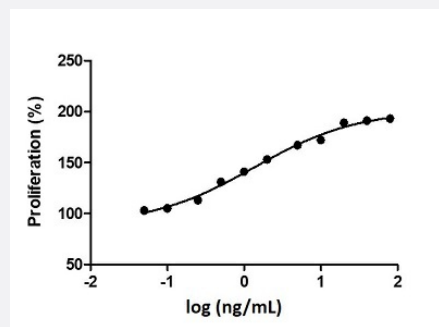
Catalog # P7849

Size 20 ug

Applications



SDS-PAGE analysis of FGF12 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description

Human FGF12 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.

Sequence

MESKEPQLKGMVTRLFSQQGYFLQMHPDGTIDGTDKSDYTLFNLIPVGLRVVAIQGVKASLYVAMNGEGYLYSSDVFTPECKFKESVFENYVYSSSTLYRQQESGRAWFLGLNKEGQIMKGNRVKKTKPSSHFPKPIEVCMYREPSLHEIGEKGGRSRKSSGPTMNGGKVVNQDStwith polyhistidine tag at the C-terminus.

Host	Escherichia coli
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ni-NTA chromatography
Purity	> 98% as determined by SDS-PAGE.
Endotoxin Level	< 0.1 EU/ ug of protein by the LAL method.
Activity	ED ₅₀ < 2 ng/mL, Measured by the induction of 3T3 cells proliferation.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of FGF12 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH ₂ O to 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at -20°C to -80°C. The product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — FGF12

Entrez GeneID	2257
Gene Name	FGF12
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](#)