FGF13 (Human) Recombinant Protein

Catalog # P8612 Size 25 ug

Specification

Product Description	Human FGF13 recombinant protein expressed in *Escherichia coli*.
Sequence	MAAAIASSLIRQKRQARAREREKSNACKCVSSPSKGKTSCDKNKLNVFSRVKLFGSKKRRRRRPEP QLKGIVTKLYSRQGYHLQLQADGTIDGTKDEDSTYTLFNLIPVGLRVVAIQGVQTKLYLAMNSEGYLY TSELFTPECKFKESVFENYYVTYSSMIYRQQQSGRGWYLGLNKEGEIMKGNHVKKNKPAAHFLPK PLKVAMYKEPSLHDLTEFSRSGSGTPTKSRSVSGVLNGGKSMSHNEST
Host	Escherichia coli
Theoretical MW (kDa)	27.6
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatography
Surface Modification	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Storage Buffer	Lyophilized from a solution containing 20mM PB, 0.5M NaCl, pH 7.4. Reconstitute the lyophilized po wder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — FGF13

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Entrez GeneID	2258
Protein Accession#	Q92913
Gene Name	FGF13
Gene Alias	FGF2, FHF2
Gene Description	fibroblast growth factor 13
Omim ID	300070
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 gene is located in a region on chromosome X, which is associated with Borjeson-Forssman-Lehmann syndrome (BFLS), making it a possible candidate gene for familial cases of the BFLS, and for other syndromal and nonspecific forms of X-linked mental retardation mapping to this region. Alternative splicing of this gene at the 5' end results in several transcript variants encoding different isoforms with different N-termini. [provided by RefSeq
Other Designations	OTTHUMP00000024143|OTTHUMP00000024144|fibroblast growth factor homologous factor 2

Pathway

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

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Metabolic Syndrome X
- Neoplasms

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- Osteoporosis

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