

Product datasheet for PH317121

FGF13 (NM_033642) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGF13 MS Standard C13 and N15-labeled recombinant protein (NP_378668)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217121
Predicted MW:	21.4 kDa
Protein Sequence:	>RC217121 representing NM_033642 Red =Cloning site Green =Tags(s) MALLRKSYSYSEPLKGIIVTKLYSRQGYHLQLQADGTIDGTDKDEDSTYTLFNLIPVGLRVVAIQGVQTKLYL AMNSEGYLYTSELFTPECKFKESVFENYYVTYSSMIYRQQQSGRWYLGLENKEGEMKGNHVKKNKPAAH FLPKPLKVAMYKEPSLHDLTEFSRSGSGTPTKSRVSGVLENGGKSMHNEST TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_378668
RefSeq Size:	1937
RefSeq ORF:	576
Synonyms:	DEE90; FGF-13; FGF2; FHF-2; FHF2; LINC00889
Locus ID:	2258
UniProt ID:	Q92913



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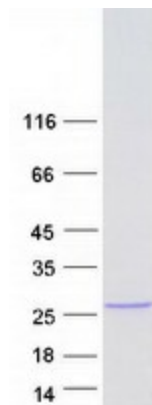
Cytogenetics: Xq26.3-q27.1

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 cognitive disability 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, Nov 2008]

Protein Families: Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified FGF13 protein (Cat# [TP317121]). The protein was produced from HEK293T cells transfected with FGF13 cDNA clone (Cat# [RC217121]) using MegaTran 2.0 (Cat# [TT210002]).