

Product datasheet for PH327797

FGF1 (NM_001144935) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGF1 MS Standard C13 and N15-labeled recombinant protein (NP_001138407)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227797
Predicted MW:	17.5 kDa
Protein Sequence:	<p>>RC227797 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAEGEITTF TALTEKFNLP PGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEVY IKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISKKHAENWVGLKKNGSCKRGPRTHY GQKAILFLPLPVSSD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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_001138407
RefSeq Size:	3781
RefSeq ORF:	465
Synonyms:	AFGF; ECGF; ECGF-beta; ECGFA; ECGFB; FGF-1; FGF-alpha; FGFA; GLIO703; HBGF-1; HBGF1
Locus ID:	2246
UniProt ID:	P05230


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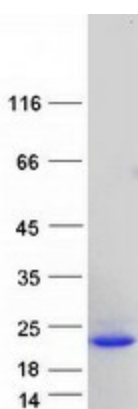
Cytogenetics: 5q31.3

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 protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009]

Protein Families: Druggable Genome, Secreted Protein

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

Product images:



Coomassie blue staining of purified FGF1 protein (Cat# [TP327797]). The protein was produced from HEK293T cells transfected with FGF1 cDNA clone (Cat# [RC227797]) using MegaTran 2.0 (Cat# [TT210002]).