

Product datasheet for PH317426

FGF2 (NM_002006) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGF2 MS Standard C13 and N15-labeled recombinant protein (NP_001997)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217426
Predicted MW:	30.6 kDa
Protein Sequence:	>RC217426 representing NM_002006 Red=Cloning site Green=Tags(s) MVGVGGDVEDVTPRPGGCQISGRGARGCNGIPGAAWEAALPRRRPRRHPSVNPERSRAAGSPRTRGRRT EERPSGSRLGDRGRGRALPGGRLGGRGRGRAPERVGGRRGRGTAAAPRAAPAARGSRPGPAGTMAAGSIT TLPALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRHPDGRVDGVREKSDPHIKLQLQAEERGVVSIKGV CANRYLAMKEDGRLLASKCVTDECFERLESNNYNTYRSRKYTSWYVALKRTGQYKLGSKTGGPQKAIL FLPMSAKS 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_001997
RefSeq Size:	6803
RefSeq ORF:	864
Synonyms:	BFGF; FGF-2; FGFB; HBGF-2
Locus ID:	2247



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UniProt ID: [P09038](#)

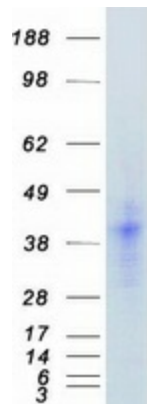
Cytogenetics: 4q28.1

Summary: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq, Jul 2008]

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 FGF2 protein (Cat# [TP317426]). The protein was produced from HEK293T cells transfected with FGF2 cDNA clone (Cat# [RC217426]) using MegaTran 2.0 (Cat# [TT210002]).