

Product datasheet for PH317098

FGFR2 (NM_000141) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGFR2 MS Standard C13 and N15-labeled recombinant protein (NP_000132)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217098
Predicted MW:	92.5 kDa
Protein Sequence:	>RC217098 representing NM_000141 Red=Cloning site Green=Tags(s)

MVSWGRIICLVVVTMATLSLARPSFLVEDTTLEPEEPPTYQISQPEVYVAAPGESLEVRCLLKDAAVI
SWTKDGVHLGPNNRTVLIGEYLQIKGATPRDSGLYACTASRTVDSETWYFMVNVTDIAISSGDEDDTDGA
EDFVSENSNNKRAPYWTNTEKMEKRLHAVPAANTVKFRCPAGGNPMTMRWLKNGKEFKQEHRIGGYKVR
NQHWLSIMESVPSDKGNYTCVENEYGSINHTYHLDVVERSPHRPILQAGLPANASTVVGDDVEFVCKV
YSDAQPHIQWIKHVEKNGSKYGPDGLPYLKVLKAAGVNTDKEIEVL YIRNVT FEDAGEY T CLAGNSIGI
SFHSAWLTVLPAPGREKEITASPDYLEIAIYICIGVFLIACMVVTVILCRMKNTTKKPDFSSQPAVHKLTK
RIPLRRQVTVSAESSSSMNSNTPLVRITTRLSSSTADTPMLAGVSEYELPEDPKWEFPRDKLTLGKPLGEG
CFGQVMAEAVGIDKDKPKEAVTVAVKMLKDDATEKDLSDLVSEMEMMKMIGKHKNIINLLGACTQDGPL
YVIVEYASKGNLREYLRARRPPGMEYSYDINRVPEEQMTFKDLVSCTYQLARGMEYLASQKCIHRDLAAR
NVLVTENNVMKIADFGARDINNIDYKTTNGRLPVKWMALFDRVYTHQSDVWVSGVLMWEIFTLG
GSPYPGIPVEELFKLLKEGHRMDKPANCTNELYMMRDCWHAVPSQRPTFKQLVEDLDRI LTLTTNEEYL
DLSQPLEQYSPSPDTRSSCGDSSVFSPPMPYEPCLPQYPHINGSVKT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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_000132



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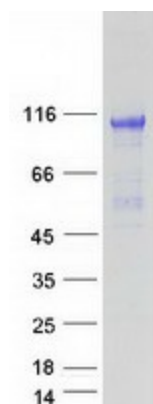
RefSeq Size:	4654
RefSeq ORF:	2463
Synonyms:	BBDS; BEK; BFR-1; CD332; CEK3; CFD1; ECT1; JWS; K-SAM; KGFR; TK14; TK25
Locus ID:	2263
UniProt ID:	P21802
Cytogenetics:	10q26.13

Summary: The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2009]

Protein Families: Druggable Genome, Protein Kinase, Secreted Protein, Transmembrane

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

Product images:



Coomassie blue staining of purified FGFR2 protein (Cat# [TP317098]). The protein was produced from HEK293T cells transfected with FGFR2 cDNA clone (Cat# [RC217098]) using MegaTran 2.0 (Cat# [TT210002]).