

Product datasheet for PH319813

FGFR4 (NM_022963) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | FGFR4 MS Standard C13 and N15-labeled recombinant protein (NP_075252) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC219813 |
| Predicted MW: | 80.9 kDa |
| Protein Sequence: | >RC219813 representing NM_022963 Red=Cloning site Green=Tags(s) |

MRLLLALLGVLLSVPGPPVLSLEASEEVELEPCLAPSLEQQEQELTVALGQPVRLCCGRAERGGHWYKEG
SRLAPAGRVGRGRLEIASFLPEDAGRYLCLARGSMIVLQNLTLITGDSLTSNDDPKSHRDLNHRH
SYPQQAPYWTHPQRMEKKLHAVPAGNTVKFRCPAAGNPTPTIRWLKDGQAFHGENRIGGIRLRHQHWSLV
MESVVPDRGTYTCLVENAVGSIRYNYLLDVLERSPHRPILQAGLPANTTAVVGSDEVLLCKVYSDAQPH
IQWLKHIVINGSSFADGFPYVQVLKTADINSSEVEVLYLRNVSAEDAGEYTCLAGNSIGLSYQSAWLT
LPGTGRIPLTCDLTPAGRTKSPTLQFLESSESGKSSSLVRGVRLSSSGPALLAGLVSLDPLDPLW
EFPRDRLVLGKPLGEGCFQVVRAEAFGMDPARPDQASTVAVKMLKDNASDKDLADLVSEMEVMKLIGRH
KNIINLLGVCTQEGPLYVIVECAAKGNLREFLRARRPPGPDLSPDGPRSEGPLSFPVLVSCAYQVARGM
QYLESRCKIHRDLAARNVLTEDNVMKIADFGARGVHHIDYKKTNGRPLVKWMAPEALFDRVYTHQS
DVWSFGILLWEIFTLGGSPYGPVPEELFSLREGHRMDRPPHCPPELYGLMRECWAAPSQRPTFKQLV
EALDKVLLAVSEEYLDLRLTFGPYSPSGGDASSTCSSSDSVFSDHPLPLGSSSFPFGSGVQT

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: | <u>NP_075252</u> |



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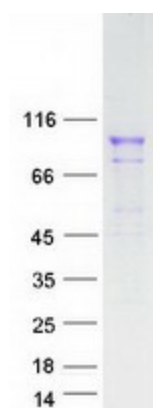
| | |
|---------------|---|
| RefSeq Size: | 2807 |
| RefSeq ORF: | 2286 |
| Synonyms: | CD334; JTK2; TKF |
| Locus ID: | 2264 |
| UniProt ID: | P22455 , P22455-2 |
| Cytogenetics: | 5q35.2 |

Summary: The protein encoded by this gene is a tyrosine kinase and cell surface receptor for fibroblast growth factors. The encoded protein is involved in the regulation of several pathways, including cell proliferation, cell differentiation, cell migration, lipid metabolism, bile acid biosynthesis, vitamin D metabolism, glucose uptake, and phosphate homeostasis. This 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 interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome, Protein Kinase

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

Product images:



Coomassie blue staining of purified FGFR4 protein (Cat# [TP319813]). The protein was produced from HEK293T cells transfected with FGFR4 cDNA clone (Cat# [RC219813]) using MegaTran 2.0 (Cat# [TT210002]).