

Recombinant Human FGFR4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FGFR4-5801H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FGFR4 MS Standard C13 and N15-labeled recombinant protein (NP_075252) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	80.9 kDa
AA Sequence	MRLLLALLGVLLSVPGPVLSLEASEEVELEPCLAPSLEQQEQELTVALGQPVRLCC GRAERGHHWYKEGSRLAPAGRVRGWRGRLEIASFLPEDAGRYLCLARGSMIVLQN LTLITGDSLTSSNDDDEPKSHRDLNHRHSYPQQAPYWTHPQRMKKLHAVPAGNTV KFRCPAAGNPTPTIRWLKDGQAFHGENRIGGIRLRHQHWSLVMESVVPSPDRGTYTC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LVENAVGSIRYNYLLDVLEERSPHRPILQAGLPANTTAVVGSDEVLLCKVYSDAQPHIQ
 WLKHIVINGSSFGADGFPYVQVLKTADINSSEVEVLYLRNVSAEDAGEYTCLAGNSIG
 LSYQSAWLTVLPGTGRIPHLTCDSLTPAGRTKSPTLQFSLESGSSGKSSSSLVRGVR
 LSSSGPALLAGLVSLDLPLDPLWEFPRDRLVLGKPLGEGCFGQVVRAEAFGMDPAR
 PDQASTVAVKMLKDNASDKDLADLVSEMEVMKLIGRHKNIINLLGVCTQEGPLYVIVE
 CAAKGNLREFLRARRPPGPDLSPDGPRSSGGLSFPVLVSCAYQVARGMQYLESR
 KCIHRDLAARNVLVTEDNVMKIADFGLARGVHHIDYYKKTSGNRLPVKWMapeALFD
 RVYTHQSDVWSFGILLWEIFTLGGSPYPGIPVEELFSLREGHRMDRPPHCPPELYG
 LMRECWAAPSQRPTFKQLVEALDKVLLAVSEEYDLRLTFGPYSPSGGDASSTCS
 SSDSVFSDHPLPLGSSSFPGSGVQTTTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FGFR4 fibroblast growth factor receptor 4 [Homo sapiens (human)]

Official Symbol FGFR4

Synonyms FGFR4; fibroblast growth factor receptor 4; CD334; JTK2; FGFR-4; tyrosylprotein kinase; protein-tyrosine kinase; hydroxyaryl-protein kinase; tyrosine kinase related to fibroblast growth factor receptor; TKF; MGC20292;

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Gene ID	2264
mRNA Refseq	NM_022963
Protein Refseq	NP_075252
MIM	134935
UniProt ID	P22455
SDS-PAGE	