

Recombinant Full Length Human FGFR1 Protein, GST-tagged

Cat. No. FGFR1-4928HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGFR1 full-length ORF (AAH36769, 1 a.a. - 504 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	504 amino acids
Description	The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) 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 would consist 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. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq
Molecular Mass	81.18 kDa

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AA Sequence	MTPSPLLLLLLPPLLGAFFPAAAARGPPKMADKVVPRQVARLGRTVRLQCPVEGD PPPLTMWTKDGRTHSGWSRFRVLPQGLKVKQVEREDAGVYVCKATNGFGSLSVN YTLVVLDISP GKESLGPDSSSGGQEDPASQQWARPRFTQPSKMRRRVIARPVGS SVRLKCVASGHPRPDITWMKDDQALTRPEAAEPRKKKWTLSLKNLRPEDSGKYTCR VSNRAGAINATYKVDVIQRTRSKPVLGTGHPVNTTVDFGGTTSFQCKVRSDVKPVIQ WLKRVEYGAEGRHNSTIDVGGQKFVVLPTGDVWSRPDGSYLNKLLITRARQDDAG MYICLGANTMGYSFRSAFLTVLPDPKPPGPPVASSSSATSLPWPVVIGIPAGAVFILG TLLLWLCQAQKKPCTPAPAPPLPGHRPPGTARDRSGDKDLP SLAALSAGPGVGLCE EHGSPAAPQHLLGPGPVAGPKLYPKLYTDIHTHTHTSHHTSHSHVEGKVHQHIHYQC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	FGFRL1 fibroblast growth factor receptor-like 1 [Homo sapiens]
Official Symbol	FGFRL1
Synonyms	FGFRL1; fibroblast growth factor receptor-like 1; FGFR-5; FGFR-like protein; FGF receptor-like protein 1; FGF homologous factor receptor; fibroblast growth factor receptor 5; FHFR; FGFR5;

Gene ID	53834
mRNA Refseq	NM_001004356
Protein Refseq	NP_001004356
MIM	605830
UniProt ID	Q8N441

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