

Recombinant Human FGFR1 Protein, GST-tagged

Cat. No. FGFR1-4148H **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	Wheat Germ
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
AA Sequence	MTPSPLLLLLLPPLLLGAFPPAAAARGPPKMADKVVPRQVARLGRTVRLQCPVEGD

 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

PPPLTMWTKDGRTIHSGWSRFRVLPQGLKVKQVEREDAGVYVCKATNGFGSLSVN
YTLVVLDDISPGKESLGPDSSSGGQEDPASQQWARPRFTQPSKMRRRVIARPVGS
SVRLKCVASGHPRPDITWMKDDQALTRPEAAEPRKKKWTLSLKNLRPEDSGKYTCR
VSNRAGAINATYKVDVIQRTSRKPVLTGTHPVNTTVDFGGTTSFQCKVRSDVKPVIQ
WLKRVEYGAEGRHNSTIDVGGQKFVVLPTGDVWSRPDGSYLNKLLITRARQDDAG
MYICLGANTMGYSFRSAFLTVPDPKPPGPPVASSSSATSLPWPVVIGIPAGAVFILG
TLLLWLCQAQKKPCTPAPAPPLPGHRPPGTARDRSGDKDLPSLAALSAGPGVGLCE
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

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mRNA Refseq [NM_001004356](#)

Protein Refseq [NP_001004356](#)

MIM [605830](#)

UniProt ID [Q8N441](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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