

Full-Length

FGFRL1 (Human) Recombinant Protein (P01)

Catalog # H00053834-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FGFRL1 full-length ORF (AAH36769, 1 a.a. - 504 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTPSPLLLLLLPPLLLGAFPPAAAARGPPKMADKVVPQRVARLGRTVRLQCPVEGDPPPLTMWT
KDGRTHSGWSRFRVLPQGLKVQVEREDAGVYVCKATNGFGLSVNYTLVVLDDISPGKESLG
PDSSSGGQEDPASQQWARPRFTQPSKMRRRVIARPVGSSVRLKCVASGHPRPDITWMKDDQA
LTRPEAAEPRKKKWTLSLKNLRPEDSGKYTCRVSNRAGAINATYKVDVIQRTRSKPVLTGTHPVNT
TVDFGGTTSFQCKVRSDVKPVIQWLKRVEYGAEGRHNSTIDVGGQKFVVLPTGDVWSRPDGSYL
NKLLITRARQDDAGMYICLGANTMGYSFRSAFLTVLPDPKPPGPPVASSSSATSLPWPVVIGIPAG
AVFILGTLILLWLCQAQKKPCTPAPAPPLGHRPPGTARDRSGDKDLPSLAALSAGPGVGLCEEH
GSPAAPQHLLGPGPVAGPKLYPKLYTDIHTHTHTSHTHSHVEGKVHQHIHYQC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.18

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FGFR1

Entrez GeneID[53834](#)**GeneBank Accession#**[BC036769](#)**Protein Accession#**[AAH36769](#)**Gene Name**

FGFR1

Gene Alias

FGFR5, FHFR

Gene Description

fibroblast growth factor receptor-like 1

Omim ID[605830](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 factor, 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]

Other Designations

FGF homologous factor receptor|OTTHUMP00000147526|fibroblast growth factor receptor 5

Disease

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- [Edema](#)
- [Esophageal Neoplasms](#)
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