

Recombinant Human FGFR1 protein, His & T7-tagged

Cat. No. FGFR1-1808H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGFR1 aa. (Val168~Pro378 (Accession # Q8N441)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val168~Pro378
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.
Form	Freeze-dried powder

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Molecular Mass	Predicted Molecular Mass: 27.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.9

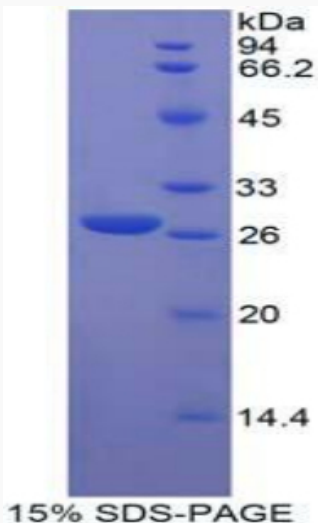
GENE INFORMATION

Gene Name	FGFRL1 fibroblast growth factor receptor like 1 [Homo sapiens (human)]
Official Symbol	FGFRL1
Synonyms	FGFRL1; fibroblast growth factor receptor like 1; FHFR; FGFR5; fibroblast growth factor receptor-like 1; FGF homologous factor receptor; FGF receptor-like protein 1; FGFR-5; FGFR-like protein; fibroblast growth factor receptor 5

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Gene ID	53834
mRNA Refseq	NM_001004356.2
Protein Refseq	NP_001004356.1
UniProt ID	Q8N441
SDS-PAGE	 15% SDS-PAGE