

Recombinant Human FGFR1, His-tagged

Cat. No. FGFR1-8513H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human FGFR1(Ala25-?Pro378), fused with His tag, was expressed in HEK293 Cells.

Species Human

Source HEK293


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 Lyophilized after extensive dialysis against PBS

Endotoxin Less than 1.0 EU/μg by LAL method

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Purity	>95% determined by HPLC and SDS-PAGE
Storage	Lyophilized form is stable at room temperature for 3 weeks. Keep desiccated at below -18°C for long term storage. After reconstituted, store at 4°C for 2-7 days or at below -18°C for up to 3 months.
Reconstitution	Reconstitute lyophilized powder with PBS to no less than 100 µg/ml, which can be further diluted in other desired aqueous solutions.
Shipping	Ship at ambient conditions

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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Chromosome Location	4p16
Function	fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; heparin binding; receptor activity;

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