

Recombinant Human FGFR-5/FGFRL1 Protein

Catalog No.: RP00134 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	53834	Q8N441

Tags

C-His

Synonyms

FGF homologous factor receptor;FGF R5;FGF receptor-like protein 1;FGFR5;FGFR-5;FGFRL1;FGFR-like protein;FHFR;Fibroblast growth factor receptor 5;fibroblast growth factor receptor-like 1;FGFRL1

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
39.75 kDa	60-70 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Fibroblast growth factor receptor-like 1 (FGFRL1) also known as Fibroblast growth factor receptor 5 (FGFR5), is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. 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 unique feature of FGFRL1/FGFR5 is that it does not contain an intracellular tyrosine kinase domain. Some muscle types, including the muscles of the tongue and the diaphragm, express FGFRL1/FGFR5 at relatively high level.

Basic Information

Description

Recombinant Human FGFR-5/FGFRL1 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala 25 - Pro 378) of human FGF R5/FGFRL1 (Accession #NP_068742.2) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

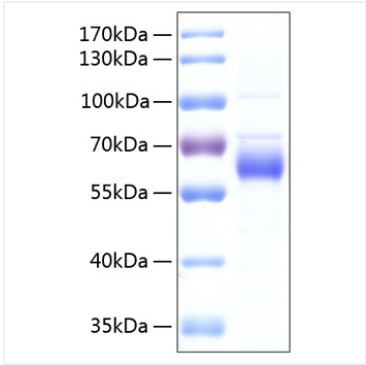
Contact

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Validation Data



Recombinant Human FGFR-5/FGFRL1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.