

# **Recombinant Human FGFR-5/FGFRL1 Protein**

Catalog No.: RP00134 Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 53834 08N441

#### **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**

 $< 0.1 \; \text{EU/}\mu\text{g}$  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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## **Contact**

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## **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 6×His 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.

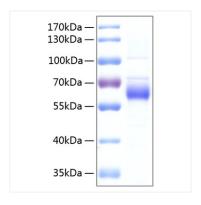
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

. Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

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

## **Validation Data**



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