

Recombinant Human FGFR-5/FGFRL1 Protein

Catalog No.: RP00134

Sequence Information

Species **Gene ID**
Human 53834

Swiss Prot **Tags**
Q8N441 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 6×His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

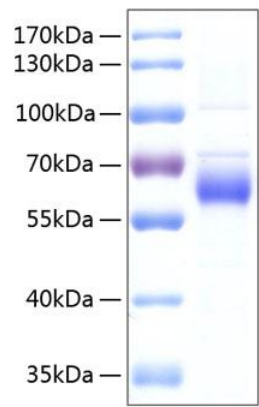
Contact

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Validation Data



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