

Datasheet for ABIN7320384  
**FGFRL1 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	FGFRL1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FGFRL1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse FGFRL1/FGFR5 Protein (His Tag)(Active)
Sequence:	Met 1-Pro 374
Characteristics:	A DNA sequence encoding the extracellular domain of mouse FGFRL1 (NP_473412.1) (Met 1-Pro 374) precursor was expressed, with a C-terminal polyhistidine tag.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.1. Immobilized mouse at 10 µg/ml (100 µl/well) can bind mouse FGFR5. The EC50 of mouse FGFR5 is 0.34 µg/ml.2. Immobilized human FGF1 at 10 µg/ml (100 µl/well) can bind mouse FGFR5 with a linear range of 0.08-2 µg/ml.3. Immobilized human bFGF at 5 µg/ml (100 µl/well) can bind mouse FGFR5. The EC50 of mouse FGFR5 is 0.22 µg/ml.

## Target Details

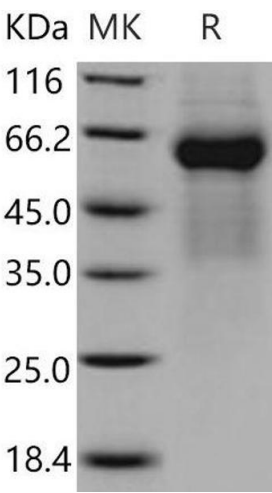
Target:	FGFRL1
Alternative Name:	FGFRL1/FGFR5 ( <a href="#">FGFRL1 Products</a> )
Background:	<p>Background: Fibroblast growth factor receptor-like 1 (FGFRL1) also known as Fibroblast growth factor receptor 5 (FGFR5), is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid 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. In contrast, the heart and the skeletal muscles of the limbs, as well as many other organs (brain, lung, liver, kidney, gut) express Fgfr1 only at basal level. It is conceivable that FGFRL1/FGFR5 interacts with other Fgfrs, which are expressed in cartilage and muscle, to modulate FGF signaling.</p> <p>Immune Checkpoint   Immunotherapy   Cancer Immunotherapy   Targeted Therapy</p> <p>Synonym: FGFR5;FGFR5beta;FGFR5gamma</p>
Molecular Weight:	40.4 kDa
NCBI Accession:	<a href="#">NP_473412</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



**Western Blotting**

**Image 1.**