

# Biotinylated Human FGFR1 beta (IIIc) Protein

Cat. No. FGF-HM41CB

## Description

<b>Source</b>	Recombinant Biotinylated Human FGFR1 beta (IIIc) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Lys158-Thr355.
<b>Accession</b>	P11362-7
<b>Molecular Weight</b>	The protein has a predicted MW of 25.23 kDa. Due to glycosylation, the protein migrates to 45-55 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

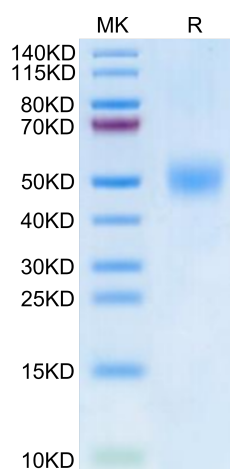
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Fibroblast growth factor receptor 1 (FGFR1) transmits signals through the plasma membrane regulating essential cellular processes like division, motility, metabolism, and death. Overexpression of FGFR1 is observed in numerous tumors and thus constitutes an attractive molecular target for selective cancer treatment.

## Assay Data

### Tris-Bis PAGE

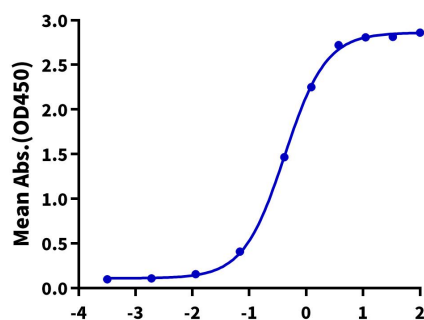


Biotinylated Human FGFR1 beta (IIIc) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Biotinylated Human FGFR1 beta (IIIc), His Tag ELISA

0.5µg Anti-FGFR1 Anitibody, hFc Tag Per Well



Immobilized Anti-FGFR1 Anitibody at 5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human FGFR1 beta (IIIc) , His Tag with the EC50 of 0.42µg/ml determined by ELISA.