

# Biotinylated Human FGFR1 beta (IIIc) Protein

Cat. No. FGF-HM41CB

KACUS

## Description

Source	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.
Accession	P11362-7
Molecular Weight	The protein has a predicted MW of 25.23 kDa. Due to glycosylation, the protein migrates to 45-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per $\mu$ g by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

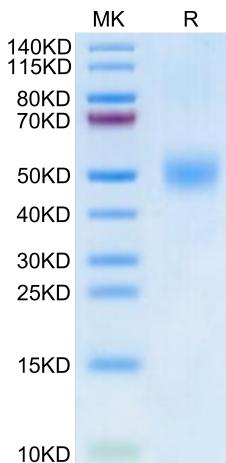
Formulation	Lyophilized from 0.22 $\mu$ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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

### Bis-Tris PAGE

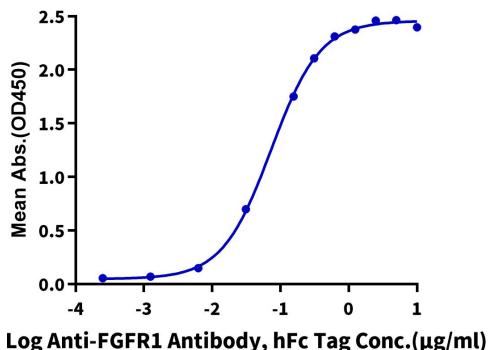


Biotinylated Human FGFR1 beta (IIIc) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

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

0.1 $\mu$ g Biotinylated Human FGFR1 beta (IIIc), His-Avi Tag Per Well



Immobilized Biotinylated Human FGFR1 beta (IIIc), His-Avi Tag at 1 $\mu$ g/ml (100 $\mu$ l/Well) on streptavidin (5 $\mu$ g/ml) precoated plate. Dose response curve for Anti-FGFR1 Antibody, hFc Tag with the EC50 of 73.0ng/ml determined by ELISA (QC Test).