

Human FGFR1 beta (IIIc) Protein

Cat. No. FGF-HM41C

Description

Source	Recombinant 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 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

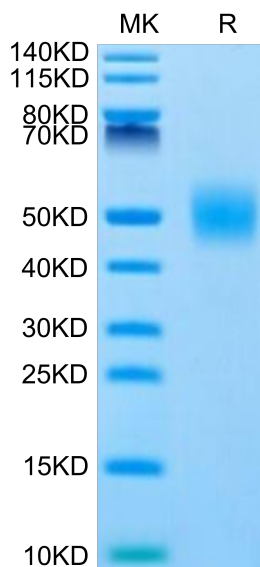
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
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



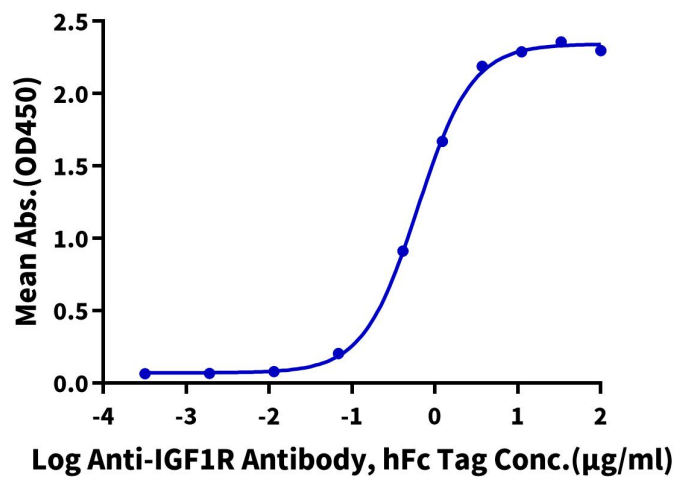
Human FGFR1 beta (IIIc) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Human FGFR1 beta (IIIc), His Tag ELISA

0.2µg Anti-FGFR1 Anitibody, hFc Tag Per Well



Immobilized Anti-FGFR1 Anitibody, hFc Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human FGFR1 beta (IIIc) , His Tag with the EC50 of 0.62µg/ml determined by ELISA.