

# Biotinylated Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein

Catalog No.: RP00462B Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 2261 P22607-2

**Tags** C-His&Avi

**Synonyms** 

ACH; CD333; CEK; CEK2; EC 2.7.10; FGF R3; FGFR3; HSFGFR3EX; JTK4

#### **Product Information**

Source Purification

≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

30.5 kDa 40-55 kDa

#### **Endotoxin**

HEK293 cells

< 1 EU/ $\mu g$  of the protein by LAL method.

### **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 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

8	400-999-6126
$\times$	cn.market@abclonal.com.cn

## **Background**

Four distinct genes encoding closely related FGF receptors, FGF R1-4, are known. All four genes for FGF Rs encode proteins with an N-terminal signal peptide, three immunoglobulin (Ig)-like domains, an acid?box region containing a run of acidic residues between the IgI and IgII domains, a transmembrane domain and the split tyrosine-kinase domain.FGFR3 is tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation and apoptosis.

## **Basic Information**

#### **Description**

Biotinylated Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp127-Gly377) of Human FGFR3 beta (IIIb) (Accession #P22607-2) fused with a C-His&Avi tag at the C-terminus.

## **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

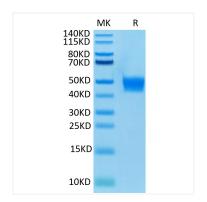
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

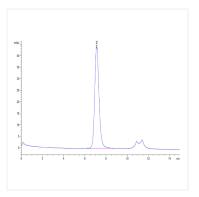
## **Operational Notes**

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

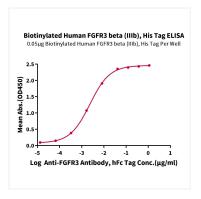
# **Validation Data**



Biotinylated Recombinant Human FGFR-3 beta (IIIb)/CD333 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human FGFR3 beta (IIIb) is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human FGFR3 beta (IIIb) , His Tag at 0.5  $\mu$ g/mL (100  $\mu$ L/well) on the streptavidin precoated plate (5  $\mu$ g/mL). Dose response curve for Anti-FGFR3 Antibody, hFc Tag with the EC<sub>50</sub> of 2.3ng/mL determined by ELISA.