

# Biotinylated Recombinant Human FGFR-2 beta (IIIb)/KGFR/CD332 Protein

Catalog No.: RP02535B Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 2263 P21802-3

**Tags** C-His&Avi

# **Synonyms**

Fibroblast growth factor receptor 2 FGFR-2 KGFR K-sam Keratinocyte growth factor receptor CD332 BEK KSAM

#### **Product Information**

Source Purification

HEK293 cells ≥ 95 % as determined by Tris-

Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

28.3 kDa 48-60 kDa

#### **Endotoxin**

< 1 EU/μg of the protein by LAL method.

## **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

# Reconstitution

Centrifuge the tube 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**

**a** 400-999-6126

# **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. Multiple forms of FGF R1 - 3 are generated by alternative splicing of the mRNAs. A frequent splicing event involving FGF R1 and 2 results in receptors containing all three Ig domains, referred to as the alpha? isoform, or only IgII and IgIII, referred to as the beta? isoform.

# **Basic Information**

#### **Description**

Biotinylated Recombinant Human FGFR-2 beta (IIIb)/KGFR/CD332 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg152-Glu378) of human FGFR-2 beta (IIIb)/KGFR/CD332 (Accession #P21802-3) fused with 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.

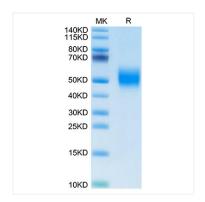
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

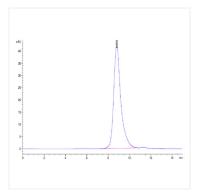
## **Operational Notes**

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

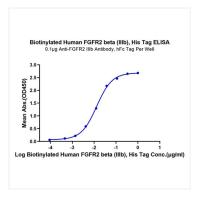
# **Validation Data**



Biotinylated Recombinant Human FGFR-2 beta (IIIb)/KGFR/CD332 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human FGFR2 beta (IIIb) is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-FGFR2 IIIb Antibody, hFc Tag at  $1\mu g/ml$  ( $100\mu l/well$ ) on the plate. Dose response curve for Biotinylated Human FGFR2 beta (IIIb) , His Tag with the EC<sub>50</sub> of 13.1ng/ml determined by ELISA.