# Human FGFR1/CD331 (His Tag) recombinant protein

Catalog Number: 501588

# **General Information**

#### Gene Name Synonym

Basic fibroblast growth factor receptor 1; Fms-like tyrosine kinase 2; N-sam; Proto-oncogene c-Fgr

## **Protein Construction**

A DNA sequence encoding the human FGFR1 (NP\_075594.1) extracellular domain (Met 1-Glu 285) was expressed with C-terminal polyhistidine tag.

#### Organism

Human

### **Expression Host**

Human Cells

# **QC Testing**

#### Activity

Measured by its ability to inhibit FGF acidic dependent proliferation of Balb/C 3T3 mouse fibroblasts.

The  $ED_{50}$  for this effect is typically 0.03-0.15  $\mu$ g/mL.

#### Purity

> 98 % as determined by SDS-PAGE

#### Endotoxin

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

#### Stability

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\mathrm{C}$ 

## **Predicted N terminal**

## Arg 22 **Molecular Mass**

The secreted recombinant human FGFR1 consists of 275 amino acids and has a predicted molecular mass of 31 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh FGFR1 monomer is approximately 50-55 kDa due to glycosylation.

#### Formulation

Lyophilized from sterile PBS, pH 7.41. 5 % trehalose and mannitol are added as protectants before lyophilization.2. Please contact us for any concerns or special requirements.

# **Usage Guide**

#### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**

KDa	М	
116	-	
66.2	-	-
45.0	-	
35.0	-	
25.0	-	
18.4	-	
14.4	_	

Human FGFR1 / CD331 Protein (His Tag) SDS-PAGE

