

# Human FGFR1/CD331 (His & GST Tag) recombinant protein



Catalog Number: 503988

## 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 isoform 4 (NP\_075594.1) cytoplasmic domain (Gly 311-Arg 731) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. Kinase activity untested
2. Measured by its binding ability in a functional ELISA. Immobilized recombinant human FGFR1 (aa 311-731) (Cat:503988) at 10 µg/ml (100 µl/well) can bind biotinylated human FGF acidic (Cat:503100) with a linear range of 15.6-250 ng/ml.
3. Measured by its binding ability in a functional ELISA. Immobilized recombinant human FGFR1 (aa 311-731) (Cat:503988) at 10 µg/ml (100 µl/well) can bind biotinylated human FGF basic (Cat:502055) with a linear range of 0.16-2.5 µg/ml.

### Purity

> 93 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

## Stability

Samples are stable for up to twelve months from date of receipt at -70°C

## Predicted N terminal

Met

## Molecular Mass

The recombinant human FGFR1 (aa 311-731) /GST chimera consists of 658 amino acids and has a calculated molecular mass of 75 KDa. It migrates as an approximately 75 KDa band as predicted in SDS-PAGE under reducing conditions.

## Formulation

- Supplied as sterile 50mM Tris, 100mM NaCl, pH 8.0, 20% glycerol, 0.3mM DTT
1. 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.

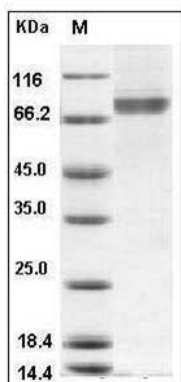
### SDS-PAGE

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SDS-PAGE