

# Human FGFR2/CD332 (aa 400-821, His & GST Tag) recombinant protein



Catalog Number: 503156

## General Information

### Gene Name Synonym

K-sam; Keratinocyte growth factor receptor

### Protein Construction

A DNA sequence encoding the human FGFR2 (NP\_000132.3) cytoplasmic domain (Met 400-Thr 821) 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. The specific activity was determined to be 28 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.
2. Measured by its binding ability in a functional ELISA. Immobilized recombinant human FGFR2 (aa 400-821) (Cat:503156) 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 recombinant human FGFR2 (aa 400-821) (Cat:503156) at 10 µg/ml (100 µl/well) can bind biotinylated human FGF basic (Cat:502055) with a linear range of 0.16-1.25 µg/ml.

### Purity

> 92 % 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

Gln 26

## Molecular Mass

The recombinant human FGFR2 (aa 400-821) /GST chimera consists of 659 amino acids and predicts a molecular mass of 75.7 kDa. It migrates as an approximately 68 kDa band in SDS-PAGE under reducing conditions.

## Formulation

- Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly
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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Human FGFR2 / CD332 Protein (aa 400-821, His & GST Tag) SDS-PAGE

