

# Recombinant Human FGFR1 protein (rFc Tag)

Catalog Number: Eg2154

## Basic Information

**Species:**  
Human**Purity:**  
>90 %, SDS-PAGE**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;0.1 EU/ µg protein, LAL method

**Source:**

HEK293-derived Human FGFR1 protein Arg22-Glu285 (Accession# NP\_075594) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

2260

**Accession:**

NP\_075594

**Predicted Molecular Mass:**

55.7 kDa

**SDS-PAGE:**

70-100 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

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

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Fibroblast growth factor receptor 1 (FGFR1) is a tyrosine-protein kinase that acts as a cell-surface receptor for fibroblast growth factors. FGFR1 has been implicated in diverse biological processes including embryonic development, cell proliferation, differentiation, migration, and tumorigenesis. Mutations in the FGFR1 gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, squamous cell lung cancer, and autosomal dominant Kallmann syndrome. Alternatively spliced variants that encode different protein isoforms have been described.

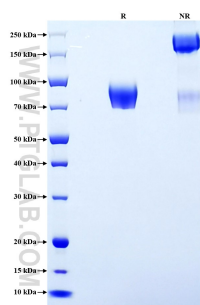
## References

1. C Deng, et al. (1997) Dev Biol. 185(1):42-54.
2. David M Ornitz, et al. (2015) Wiley Interdiscip Rev Dev Biol. 4(3):215-66.
3. Carolina Courage, et al. (2019) Am J Med Genet A. 179(12):2447-2453.

## Synonyms

FGFR1, bFGF R 1, BFGFR, bFGF-R-1, CD331

## Selected Validation Data



Purity of Recombinant Human FGFR1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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