

# Recombinant Human FGFR-2/KGFR/CD332 (V564F) Kinase

Catalog No.: RP03331LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2263	P21802

### Tags

N-His-StreptII

### Synonyms

FGFR2; BEK; KGFR; KSAM; CD332;  
Keratinocyte growth factor receptor;  
Fibroblast growth factor receptor 2

## Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 90 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC.

Calculated MW	Observed MW
40.8 kDa	30-40 kDa

### Endotoxin

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

### Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 20% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

### Reconstitution

Please use running water to thaw it quickly.

## Contact

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## Background

FGFR2 also known as CD332 is a member of the fibroblast growth factor receptor (FGFR) family, which includes FGFR1-4, and FGFR1. FGFR1-4 are cell surface membrane receptors that possess tyrosine kinase activity. FGFR2 has two naturally occurring isoforms, FGFR2IIIb and FGFR2IIIc, created by splicing of the third immunoglobulin-like domain. And FGFR2 has important roles in embryonic development and tissue repair, especially bone and blood vessels. Like the other members of the fibroblast growth factor receptor family, these receptors signal by binding to their ligand and dimerisation (pairing of receptors), which causes the tyrosine kinase domains to initiate a cascade of intracellular signals.

## Basic Information

### Description

Recombinant Human FGFR-2/KGFR/CD332 (V564F) Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Asp456-Glu768 (V564F)) of Human FGFR2 (Accession #P21802) fused with a N-His-StreptII tag.

### Bio-Activity

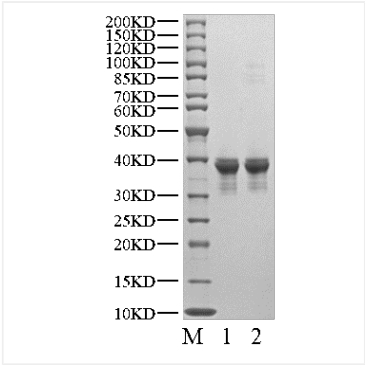
The activity of FGFR2 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

### Storage

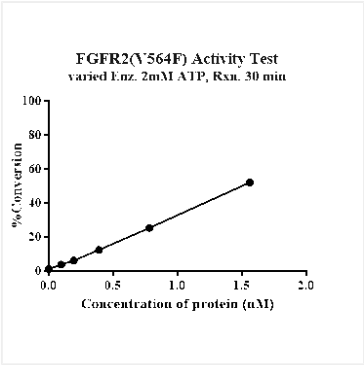
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.  
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Validation Data



Recombinant Human FGFR-2/KGFR/CD332 (V564F) Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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