

# Recombinant Human FGFR-1/FLT-2/CD331 (V561M) Kinase

Catalog No.: RP03330LQ **Recombinant**

## Sequence Information

**Species** Human    **Gene ID** 2260    **Swiss Prot** P11362

### Tags

N-His-GST

### Synonyms

FGFR1; BFGFR; CEK; FGFR; FLG; FLT2; HBGFR; CD331; FGFR-1; Fibroblast growth factor receptor 1

## Background

FGFR1 also known as CD331 is a member of the fibroblast growth factor receptor (FGFR) family, which in addition to FGFR1, includes FGFR2, FGFR3, FGFR4, and FGFR1L. FGFR1-4 are cell surface membrane receptors that possess tyrosine kinase activity. A full-length representative of these four receptors consists of an extracellular region composed of three immunoglobulin-like domains which bind their proper ligands, the FGFs, a single hydrophobic stretch which passes through the cell's surface membrane, and a cytoplasmic tyrosine kinase domain. FGFR1, when bound to a proper FGF, elicits cellular responses by activating signaling pathways that include the: a) Phospholipase C/PI3K/AKT, b) Ras subfamily/ERK, c) Protein kinase C, d) IP3-induced raising of cytosolic Ca<sup>2+</sup>, and e) Ca<sup>2+</sup>/calmodulin-activated elements and pathways.

## Product Information

### Source

Baculovirus-Insect Cells    **Purification** ≥ 85% as determined by SDS-PAGE; ≥ 85% as determined by HPLC.

### Calculated MW

75.5 kDa

### Observed MW

70-85 kDa

### Endotoxin

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

### Formulation

Supplied as a 0.22 μm filtered solution in 50 mM HEPES, 200 mM NaCl, 5% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

### Reconstitution

Please use running water to thaw it quickly.

## Basic Information

### Description

Recombinant Human FGFR-1/FLT-2/CD331 (V561M) Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Lys398-Arg822 (V561M)) of Human FGFR1 (Accession #P11362) fused with a N-His-GST tag.

### Bio-Activity

The activity of FGFR1 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.

### Shipping

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

### 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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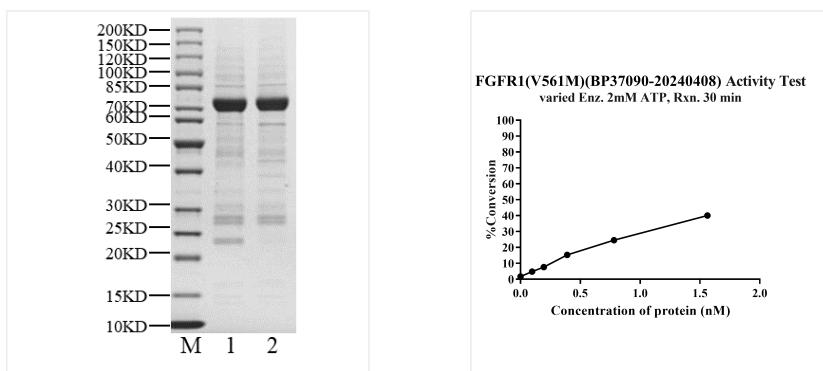
### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Contact

	400-999-6126
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	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Validation Data



Recombinant Human FGFR-1/FLT-2/CD331 (V561M) Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.

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