

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

Catalog No.: RP03330LQ

Sequence Information

Species	Gene ID
Human	2260
Swiss Prot	Tags
P11362	N-His-GST

Synonyms

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

Product Information

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

Calculated MW Observed MW

75.5 kDa 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.

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 FGFR1. 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 Ca²⁺, and e) Ca²⁺/calmodulin-activated elements and pathways.

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.

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

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

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

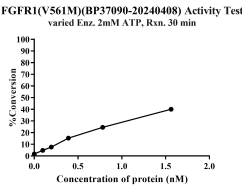
Contact

☎ | 400-999-6126

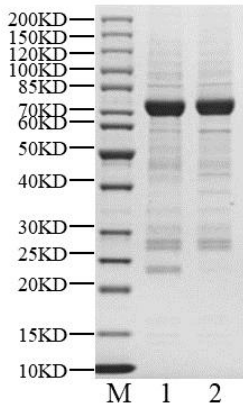
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



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.



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