Recombinant Human FGFR-3/JTK4/CD333 (V555M) Kinase

Catalog No.: RP03332LQ

Sequence Information

Species
Human

Gene ID
2261

Swiss Prot
P22607

Tags
N-His-GST

Synonyms
FGFR3; JTK4; CD333; Fibroblast growth factor receptor 3

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
62.8 kDa

Observed MW
50-60 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.

Background

FGFR3 also known as CD333 is a member of the fibroblast growth factor receptor (FGFR) family, which includes FGFR1-4, and FGFRL1. FGFR1-4 are cell surface membrane receptors that possess tyrosine kinase activity. FGFR3 plays a role in bone growth by regulating ossification. Gain of function mutations in FGFR3 inhibits chondrocyte proliferation and underlies achondroplasia and hypochondroplasia. FGFR3 inhibitors are in early clinical trials as a cancer treatment, e.g. BGJ398 for urothelial carcinoma. The FGFR3 receptor has a tyrosine kinase signaling pathway that is associated with many biological developments embryonically and in tissues. Studying the tyrosine kinase signaling pathway that FGFR3 displays has played a crucial role in the development of research of several cell activities.

Basic Information

Description
Recombinant Human FGFR-3/JTK4/CD333 (V555M) Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Pro449-Glu759 (V555M)) of Human FGFR3 (Accession #P22607) fused with a N-His-GST tag.

Activity
The activity of FGFR3 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℃

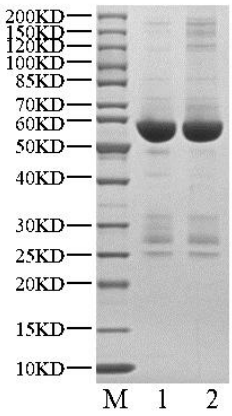
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

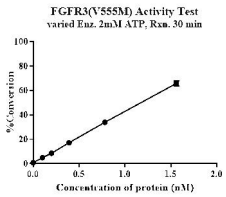
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human FGFR-3/JTK4/CD333 (V555M) Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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