

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

Catalog No.: RP03332LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2261	P22607

Tags

N-His-GST

Synonyms

FGFR3; JTK4; CD333; Fibroblast growth factor receptor 3

Product Information

Source	Purification
Baculovirus-Insect Cells	> 90% by SDS-PAGE and HPLC

Calculated MW	Observed MW
62.8 kDa	50-60 kDa

Endotoxin

< 1.0 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

Contact

 | 400-999-6126

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Background

FGFR3 also known as CD333 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. 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. BJJ398 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.

Bio-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.

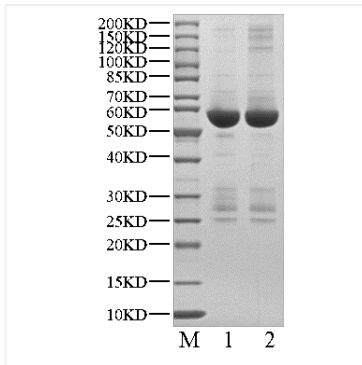
Storage

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.

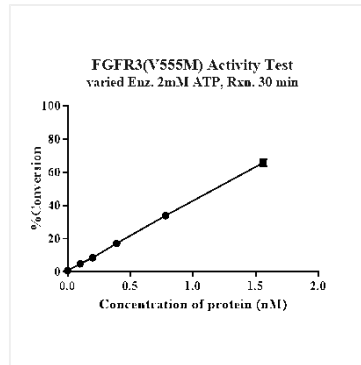
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Validation Data



Recombinant Human FGFR-3/JTK4/CD333 (V555M) Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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