

Recombinant Human HGF receptor/c-MET/MET (Y1235D) Kinase

Catalog No.: RP03341LQ

Sequence Information

Species	Gene ID
Human	4233
Swiss Prot	Tags
P08581	N-His-GST

Synonyms

MET; Tyrosine-protein kinase Met; Scatter factor receptor; Hepatocyte growth factor receptor

Product Information

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

Calculated MW/Observed MW

76.7 kDa 60-80 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, 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

Hepatocyte growth factor receptor (HGF receptor) is encoded by the MET gene in human. HGF receptor is a single pass tyrosine kinase receptor essential for embryonic development, organogenesis and wound healing. Hepatocyte growth factor/Scatter Factor (HGF/SF) and its splicing isoform (NK1, NK2) are the only known ligands of the HGF receptor. MET is normally expressed by cells of epithelial origin, while expression of HGF/SF is restricted to cells of mesenchymal origin. When HGF/SF binds its cognate receptor MET it induces its dimerization through a not yet completely understood mechanism leading to its activation. Abnormal MET activation in cancer correlates with poor prognosis, where aberrantly active MET triggers tumor growth, formation of new blood vessels (angiogenesis), and cancer spread to other organs (metastasis).

Basic Information

Description

Recombinant Human HGF receptor/c-MET/MET (Y1235D) Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Lys956-Ser1390 (Y1235D)) of Human MET (Accession #P08581) fused with a N-His-GST tag.

Activity

The activity of MET 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.

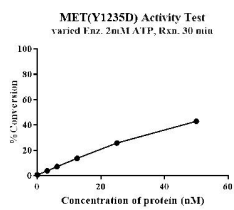
Contact

☎ | 400-999-6126

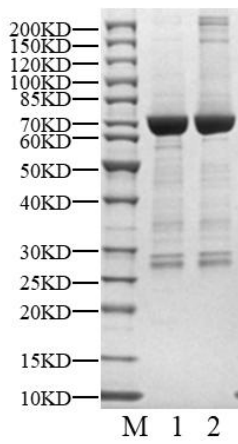
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Validation Data



The activity of MET 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 HGF receptor/c-MET/MET (Y1235D) Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.