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Recombinant Human HGF receptor/c-MET/MET (D1228H) Kinase

Catalog No.: RP03340LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	4233	P08581

Tags
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
76.8 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.

Contact

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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 (D1228H) Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Lys956-Ser1390 (D1228H)) of Human MET (Accession #P08581) fused with a N-His-GST tag.

Bio-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.

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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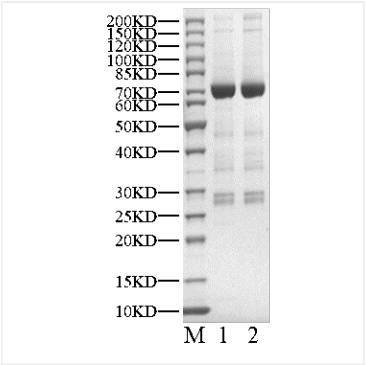
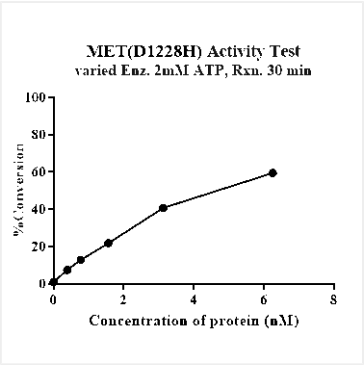
Validation Data



Recombinant Human HGF receptor/c-MET/MET (D1228H) Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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