Recombinant Rat Met Proto-Oncogene, GST-tagged

Cat. No. Met-1060R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat MET (958-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Rat
Source	Sf9 Cells
ProteinLength	958-end a.a.
Description	MET is a proto-oncogene that encodes a transmembrane growth factor receptor which is a heterodimer of two disulphide linked chains of 50 kDa (alpha) and 145 kDa (beta). MET is widely expressed in the kidney, brain, lung, skin, and embryonic tissue. Hepatocyte growth factor (HGF) binds to MET and activates its tyrosine kinase activity. MET is overexpressed and activated in a variety of human cancers including pancreatic, colon, gastric, cervical and ovarian cancers and has been shown to be involved in tumor cell migration and invasion.
Applications	Kinase Assay; Western Blot
Molecular Weight	74 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol.

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Specific Activity	46 nmol/min/mg
Purity	> 90%
Concentration	0.1 ug/ul
Sequences	958-end
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	Met met proto-oncogene [Rattus norvegicus]
Official Symbol	MET
Synonyms	MET; Met; met proto-oncogene; Hgfr; hepatocyte growth factor receptor; c-Me; SF receptor; HGF receptor; HGF/SF receptor; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met; met proto-oncogene tyrosine kinase; EC 2.7.10.1
Gene ID	24553
mRNA Refseq	NM_031517
Protein Refseq	NP_113705
UniProt ID	P97523

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Chromosome Location	4q21
Pathway	Adherens junction; Alpha6-Beta4 Integrin Signaling Pathway; Axon guidance; Bacterial invasion of epithelial cells; Cytokine-cytokine receptor interaction; Endocytosis; Epithelial cell signaling in Helicobacter pylori infection; FGF signaling pathway; Focal Adhesion; Malaria; Melanoma; Renal cell carcinoma; Sema4D in semaphorin signaling; Semaphorin interactions; Signaling of Hepatocyte Growth Factor Recepto
Function	ATP binding; nucleotide binding; protein binding; hepatocyte growth factor-activated receptor activity; protein tyrosine kinase activity; receptor activity; protein kinase activity; protein heterodimerization activity; protein complex binding; phospholipase binding; phosphatidylinositol 3-kinase binding

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