

Active Recombinant Mouse Met Proto-Oncogene, Fc-tagged

Cat. No. Met-730M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Metprotein was expressed in Murine myeloma cell line with the Fc part of MouseIgG2A Glu98-Lys330 (C-terminus) and Met1-Asn929 (N-terminus).
Species	Mouse
Source	Mammalian Cells
ProteinLength	98-330;1-929 a.a.
Description	Met is aglycosylated receptor tyrosine kinase that plays a central role in epithelialmorphogenesis and cancer development. Met is synthesized as a single chainprecursor which undergoes cotranslational proteolytic cleavage. This generatesa mature Met that is a disulfide-linked dimer composed of a 50 kDaextracellular α chain and a 145 kDa transmembrane β chain.
Form	Lyophilized from a0.2 μ m filtered solution in PBS.
N-terminalSequence	Glu25 & Ser307
Molecular Weight	96 &32 kDa
Activity	Measuredby its ability to bind recombinant mouse Met in a functional ELISA with anestimated KD < 0.2 nM.
Endotoxin Level	<1.0 EUper 1 μ g of the protein by the LAL method.

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SDS-PAGE	110-120kDa & 40-43 kDa, reducing conditions.
Purity	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	200 µg/ mLin PBS
Storage	Use a manualdefrost freezer and avoid repeated freeze-thaw cycles. 12 months from date ofreceipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditionsafter reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Met met proto-oncogene [Musmusculus]
Official Symbol	Met
Synonyms	Met; metproto-oncogene; HGF; HGFR; Par4; c-Met; A1838057; hepatocyte growth factorreceptor; SF receptor; HGF receptor; HGF/SF receptor; proto-oncogene c-Met;scatter factor receptor; tyrosine-protein kinase Met; met proto-oncogenetyrosine kinase; EC 2.7.10.1; Met protein
Gene ID	17295
mRNA Refseq	NM_008591
Protein Refseq	NP_032617
UniProt ID	P16056
Chromosome	6 A2; 6 4.0 cM

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Location	
Pathway	Adherens junction;Alpha6-Beta4 Integrin Signaling Pathway; Axon guidance; Bacterial invasion of epithelial cells; Cytokine-cytokine receptor interaction; Developmental Biology; Endocytosis; Focal Adhesion; Focal adhesion; Malaria; Melanoma; Pathways in cancer; Renal cell carcinoma; Sema4D in semaphorin signaling; Semaphorin interactions
Function	ATP binding; beta-catenin binding; hepatocyte growth factor-activated receptor activity; kinase activity; nucleotide binding; phosphatidylinositol 3-kinase binding; phospholipase binding; protein complex binding; protein heterodimerization activity; protein kinase activity; protein tyrosine kinase activity; receptor activity; transferase activity
Crystallographic structure of MET. PDB rendering based on 1r0p.	