Recombinant Mouse Met Proto-oncogene, Fc-His

Cat. No. Met-1744M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse HGFR (Met 1-Asn 929) - Linker peptide (DIEGRMD) - Human IgG1 (Pro 100 - Lys 330) - 6x His Tag was produced in*Sf 21 Insect Cell*.
Species	Mouse
Source	Sf21 Cells
ProteinLength	1-929 a.a.
Description	Hepatocyte growth factor receptor (HGFR), also known as c-Met, plays an important roles in angiogenesis and tumor growth. C-Met is a receptor tyrosine kinase expressed by epithelial cells of the brain, kidney, liver and other tissues. Binding of its ligand, Hepatocyte Growth Factor (HGF), triggers receptor autophosphorylation, and activation of several downstream effectors including the mitogen-activated protein kinases ERK-1 and ERK-2, and PLC-γ. Activation of the c-Met signal transduction pathway leads to mulitple cellular responses including cell motility, scattering, proliferation, survival and angiogenesis.
Molecular Weight	The predicted molecular weight of Recombinant Mouse HGF R is Mr 128 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 EU/μg as determined by the LAL method.

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Biological Activity	Measured by its ability to bind rmHGF in a functional ELISA type binding assay with an estimated KD < 0.2 nM.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃to -70℃. After aseptic reconstitution, this protein may be stored at 2℃to 8℃for one month or at -20℃to -70℃in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Met met proto-oncogene [Mus musculus]
Synonyms	Met; met proto-oncogene;HGF; HGFR; Par4; c-Met; AI838057; HGF receptor OTTMUSP00000028498; OTTMUSP00000028499
Gene ID	17295
mRNA Refseq	NM_008591
Protein Refseq	NP_032617
UniProt ID	P16056
Chromosome Location	6 4.0 cM
Pathway	Adherens junction; Axon guidance; Colorectal cancer; Cytokine-cytokine receptor interaction; Endocytosis; Focal adhesion; Melanoma; Pathways in cancer; Renal cell carcinoma
Function	ATP binding; hepatocyte growth factor receptor activity; kinase activity; nucleotide

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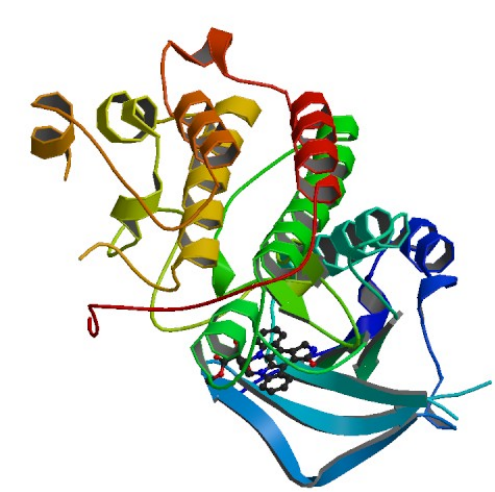
	binding; protein binding; protein kinase activity; protein tyrosine kinase activity; receptor activity; transferase activity; transmembrane receptor protein tyrosine kinase activity
Crystallographic structure of MET. PDB rendering based on 1r0p.	

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