

# Active Recombinant Mouse Met

**Cat. No.** Met-8335M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Met was expressed in Sf 21 Insect Cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Sf21 Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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 multiple cellular responses including cell motility, scattering, proliferation, survival and angiogenesis. |
| <b>Form</b>             | This recombinant protein was 0.2 μm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Bio-activity</b>     | Measured by its ability to bind rmHGF in a functional ELISA type binding assay with an estimated $KD < 0.2 \mu g/ml$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | The predicted molecular weight of Recombinant Mouse HGF R is Mr 128 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | Mouse HGF R (Met 1 - Asn 929) - Linker peptide (DIEGRMD) - Human IgG1 (Pro 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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- Lys 330) - 6x His Tag

**Endotoxin** <1.0 eu/μg="" as="" determined="" by="" the="" la="">

**Purity** >95% by SDS-PAGE and analyzed by silver stain.

**Storage** This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

## GENE INFORMATION

**Gene Name** [Met met proto-oncogene \[ Mus musculus \]](#)

**Official Symbol** Met

**Synonyms** MET; met proto-oncogene; hepatocyte growth factor receptor; SF receptor; HGF receptor; HGF/SF receptor; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met; met proto-oncogene tyrosine kinase; HGF; HGFR; Par4; c-Met; AI838057;

**Gene ID** [17295](#)

**mRNA Refseq** [NM\\_008591](#)

**Protein Refseq** [NP\\_032617](#)

**Pathway** Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;

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Axon guidance, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem;

**Function**

ATP binding; beta-catenin binding; hepatocyte growth factor-activated receptor activity; 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;

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