Active Recombinant Mouse Met Protein, Fc/His-tagged, Alexa Fluor 647 conjugated

Cat. No. Met-1744MAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated 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	Insect 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.
Form	Lyophilized
Bio-activity	Measured by its ability to bind rmHGF in a functional ELISA type binding assay with an estimated KD < 0.2 nM.

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Molecular Mass	128 kDa
Endotoxin	< 0.1 EU/ μg as determined by the LAL method.
Purity	> 95 % by SDS-PAGE and analyzed by silver stain.
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	This lyophilized protein is stable for 6 to 12 months when stored desiccated at -20 to -70 centigrade. After aseptic reconstitution, this protein may be stored at 2 to 8 centigrade for one month or at -20 to -70 centigrade in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20 to -70 centigrade. After aseptic reconstitution, this protein may be stored at 2 to 8 centigrade for one month or at -20 to -70 centigrade in a manual defrost freezer.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	Met met proto-oncogene [Mus musculus]
Official Symbol	Met
Synonyms	Met; met proto-oncogene; HGF; HGFR; Par4; c-Met; AI838057; HGF receptor OTTMUSP00000028498; OTTMUSP00000028499

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Gene ID	17295
mRNA Refseq	NM_008591
Protein Refseq	NP_032617
UniProt ID	P16056

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