Active Recombinant Human MET Protein, Fc/His-tagged, Alexa Fluor 647 conjugated

Cat. No. MET-1624HAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant human HGFR was expressed in*NSO cells*. The extracellular domain of c-Met was fused to the carboxy terminal 6X his-tagged Fc region of human IgG1 via a polypeptide linker.
Species	Human
Source	Mammalian Cells
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	The biological activity of Human HGF R was determined by its ability to bind human HGF. Immobilized rhHGF R/Fc at 1 μg/mL (100 μL/well) can bind rhHGF (0.1-5 ng/mL) in an ELISA type assay.
Molecular Mass	129 kDa

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Endotoxin	< 1.0 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. Avoid Repeated Freeze Thaw Cycles.
Storage Buffer	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.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	MET met proto-oncogene (hepatocyte growth factor receptor) [Homo sapiens]
Official Symbol	MET

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Synonyms	AUTS9; HGFR; RCCP2; c-Met; HGF receptor; OTTHUMP00000069168; SF receptor; met proto-oncogene; met proto-oncogene tyrosine kinase; oncogene MET; scatter factor receptor; EC 2.7.10.1; HGF/SF receptor; met proto-oncogene (hepatocyte growth factor receptor); met proto-oncogene
Gene ID	4233
mRNA Refseq	NM_000245
Protein Refseq	NP_000236
MIM	164860
UniProt ID	P00533

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