

Active Recombinant Human MET Protein, Fc/His-tagged, FITC conjugated

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

SPECIFICATION

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| Product Overview | FITC conjugated recombinant human HGFR was expressed in <i>NSO cells</i> . 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 multiple 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 | <p>Disulfide-linked homodimer</p> <p>Labeled with FITC via amines</p> <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p> |
| Stability | <p>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.</p> |
| Storage | <p>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.</p> |
| Storage Buffer | <p>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.</p> |
| Conjugation | FITC |

GENE INFORMATION

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| 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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