Active Recombinant Human MET Protein, His-Fc-tagged

Cat. No. MET-219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human MET Protein(Met 1-Thr 932)(NP_000236) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-932 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human HGF at 1 μg/ml (100ul/well) can bind Human c-MET / HGFR with a linear range of 0.31-160ng/ml. Scatchard analysis showed the affinity constant (Kd) of human HGF bound to human c-MET / HGFR was 0.52 nM.
Molecular Mass	The mature recombinant human c-Met/Fc is a disulfide-linked tetramer composed of two proteolytically cleaved α and β subunits. Each α and β together with the C-terminal Fc tag consists of 1155 amino acids and has a predicted molecular mass of 129.5 (α =32.5 + Fc tagged β=97) kDa. The rh c-MET/Fc heterodimer thus migrates with apparent molecular mass of approximately 45 kDa and 120 kDa respectively in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per

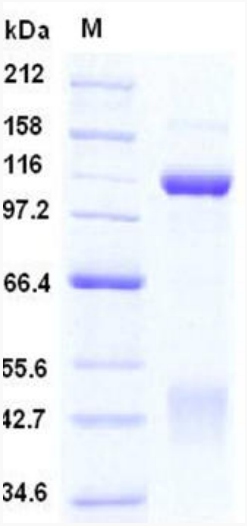
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	μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	MET met proto-oncogene (hepatocyte growth factor receptor) [Homo sapiens]
Official Symbol	MET
Synonyms	MET; met proto-oncogene (hepatocyte growth factor receptor); hepatocyte growth factor receptor; HGFR; RCCP2; SF receptor; HGF receptor; oncogene MET; HGF/SF receptor; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met; met proto-oncogene tyrosine kinase; AUTS9; c-Met;
Gene ID	4233
mRNA Refseq	NM_000245
Protein Refseq	NP_000236
MIM	164860
UniProt ID	P08581

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SDS-PAGE	

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