Recombinant Human MET Protein, GST-tagged

Cat. No. MET-36H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MET (956-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	956-end a.a.
Description	This gene encodes a member of the receptor tyrosine kinase family of proteins and the product of the proto-oncogene MET. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that are linked via disulfide bonds to form the mature receptor. Further processing of the beta subunit results in the formation of the M10 peptide, which has been shown to reduce lung fibrosis. Binding of its ligand, hepatocyte growth factor, induces dimerization and activation of the receptor, which plays a role in cellular survival, embryogenesis, and cellular migration and invasion. Mutations in this gene are associated with papillary renal cell carcinoma, hepatocellular carcinoma, and various head and neck cancers. Amplification and overexpression of this gene are also associated with multiple human cancers.
Molecular Mass	~81 kDa
Purity	> 90 %

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Stability	0ne year at -70 centigrade from date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μL
Storage Buffer	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol
Shipping	Dry ice

GENE INFORMATION

Gene Name	MET MET proto-oncogene, receptor tyrosine kinase [Homo sapiens (human)]
Official Symbol	MET
Synonyms	MET; MET proto-oncogene, receptor tyrosine kinase; HGFR; AUTS9; RCCP2; c-Met; DFNB97; hepatocyte growth factor receptor; HGF receptor; HGF/SF receptor; SF receptor; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met; EC 2.7.10.1
Gene ID	4233
mRNA Refseq	NM_000245
Protein Refseq	NP_000236
MIM	164860

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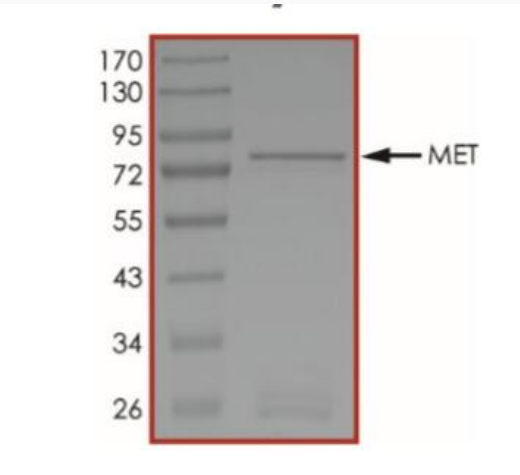
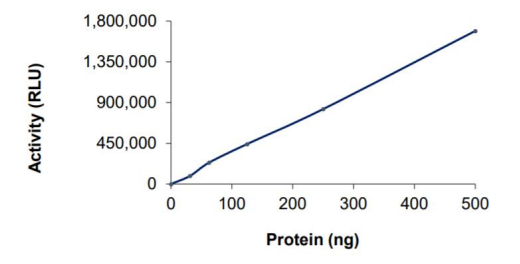
UniProt ID	P08581
Purity	 The specific activity of MET (Del Ex14) was determinged to be 38 nmol/min/mg as per activity assay protocol.
	 The specific activity of MET was determinged to be 161 nmol/min/mg as per the 96-well activity assay protocol, and was equivalent to 42 nmol/min/mg as per radiometric assay.

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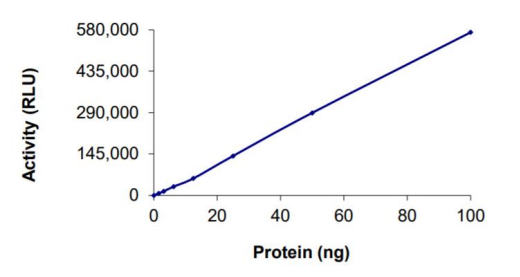

The specific activity of MET was determinged to be 20 nmol/min/mg as per the 384-well activity assay protocol.

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