

## Active Recombinant Human MET Protein, His-tagged

Cat. No. MET-02H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human MET Protein, fused to His-tag, was expressed in Insect Cells.

**Species** Human

**Source** Insect Cells

**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.

**Form** 50 mM sodium phosphate, pH 7.5 + 300 mM NaCl + 1 mM DTT + 150 mM imidazole + 10% glycerol.

**Bio-activity** The specific activity of c-MET was determined to be 24 nmol/min/mg.

**Molecular Mass** The protein has a calculated MW of 50 kDa. Observed MW ~ 60 kDa.

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<b>Purity</b>	>70%
<b>Storage</b>	Store at -70 centigrade. Thaw quickly and store on ice before use. The remaining, unused, undiluted protein should be snap frozen, for example in a dry/ice ethanol bath or liquid nitrogen. Minimize freeze/thaws if possible, but very low volume aliquots (<5 µl) or storage of diluted protein is not recommended.
<b>Concentration</b>	0.11 µg/µL
<b>tmpcolum67</b>	MET proto-oncogene, receptor tyrosine kinase

## GENE INFORMATION

<b>Gene Name</b>	MET MET proto-oncogene, receptor tyrosine kinase [ Homo sapiens (human) ]
<b>Official Symbol</b>	MET
<b>Synonyms</b>	HGFR; AUTS9; RCCP2; c-Met; DFNB97
<b>Gene ID</b>	4233
<b>mRNA Refseq</b>	NM_000245
<b>Protein Refseq</b>	NP_000236
<b>MIM</b>	164860
<b>UniProt ID</b>	P08581
<b>SDS-PAGE</b>	
<b>Specific Activity</b>	

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