

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	>70%
Storage	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.
Concentration	0.11 µg/µL
tmpcolumn67	MET proto-oncogene, receptor tyrosine kinase

GENE INFORMATION

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

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