

## Recombinant Human MET Protein, Fc-tagged

**Cat. No.** MET-290H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human MET protein with Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1390
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	127.8 kDa
<b>AA Sequence</b>	MKAPAVLAPGILVLLFTLVQRSNGECKEALAKSEMNVNMKYQLPNFTAETPIQNVILH

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EHHIFLGATNYIYVLNEEDLQKVAEYKTGPVLEHPDCFCQCDCSSKANLSSGGVWKD  
 NINMALVVDTYDDQLISCGSVNRGTCQRHVFPHNHTADIQSEVHCIFSPQIEEPSQ  
 CPDCVVSALGAKVLSSVKDRFINFFVGNTINSSYFPDHPLHSISVRRLKETKDGMFL  
 TDQSYIDVLPFEFRDSYPIKYVHAFESNNFIYFLTVQRETLDAQTFHTRIIFCSINSGLH  
 SYMEMPLECILTEKRKKRSTKKEVFNILQAAYVSKPGAQLARQIGASLNDDILFGVFA  
 QSKPDSAEPMDRSAMCAFPKIYVNDFFNKIVNKNVRCQLQHFYGNHEHCFNRLL  
 RNSSGCEARRDEYRTEFTTALQRVDLFMGQFSEVLLTSISTFIKGLTIANLGTSEGR  
 FMQVVVSRSGPSTPHVNFLLDSDHPVSPEVIVEHTLNQNGYTLVITGKKITKIPLNGLG  
 CRHFQSCSQCLSAPPFVQCGWCHDKCVRSEECLSGTWTQQICLPAIYKVPNSAPL  
 EGGTRLTICGWDFGFRNNKFDLKKTRVLLGNESCTLTLESESTMNTLKCTVGPAMN  
 KHFNMSIIISNGHGTTQYSTFSYVDPVITSISPKYGPAGGTLTTLTGNYLNSGNSRHI  
 SIGGKTCTLKSVNSILECYTPAQTISTEFAVKLKIDLANRETSIFSREDPIVYIEIHPTK  
 SFISGGSTITGVGKNLNSVSVPRMVINVHEAGRNFVACQHRNSSEICCTTPSLQQL  
 NLQLPLKTKAFFMLDGILSKYFDLIYVHNPVFKPFKPMISMGNENVLEIKGNDIDPE  
 AVKGEVLKVGKSCENIHLHSEAVLCTVPNDLLKLNSSELNIEWKQAISSTVLGKVIVQ  
 PDQNFGLIAGVVSISTALLLLGFFLWLKQRKQIKDLGSELVRYDARVHTPHLDRLV  
 SARVSPTTEMVSNESVDYRATFPEDQFPNSSQNGSCRQVQYPLTDMSPILTSGDS  
 DISSPLLQNTVHIDLSALNPELVQAVQHVVIGPSSLIVHFNEVIGRGHFGCVYHGTLLD  
 NDGKKIHCAVKSLNRITDIGEVSQFLTEGIIMKDFSHPNVLSLLGICLRSEGSPLVLP  
 YMKHGDLRNFIRNETHNPTVKDLIGFGLQVAKGMKYLASKKFVHRDLAARNCMLDE  
 KFTVKVADFGGLARDMYDKEYYSVHNKTGAKLPVKWMALESQTQKFTTKSDVWSF  
 GVLLWELMTRGAPPYDPVNTFDITVYLLQGRLLQPEYCPDPLYEVMLKCWHPKAE  
 MRPSFSELVSRISAIFSTFIGEHYVHV NATYVNVKCVAPYPSLLSSEDNADDEVDRP  
 ASFWETS

<b>Purity</b>	> 98%
<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).

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After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** MET met proto-oncogene (hepatocyte growth factor receptor) [ Homo sapiens (human) ]

**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

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<b>MIM</b>	164860
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<b>UniProt ID</b>	P08581
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