

Recombinant Human MET Protein, His-tagged

Cat. No. MET-289H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MET protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1390
Description	<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>
Form	Lyophilized
Molecular Mass	102.7 kDa
AA Sequence	MKAPAVLAPGILVLLFTLVQRSNGECKEALAKSEMNVNMKYQLPNFTAETPIQNVILH

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 45-1 Ramsey Road, Shirley, NY 11967, USA

EHHIFLGATNYIYVLNEEDLQKVAEYKTGPVLEHPDCFCQCDCSSKANLSSGGVWKD
 NINMALVVDTYDDQLISCGSVNRGTCQRHVFPHNHTADIQSEVHCIFSPQIEEPSQ
 CPDCVVSALGAKVLSSVKDRFINFFVGNTINSSYFPDHPHLSISVRRLKETKDGMFL
 TDQSYIDVLPFEFRDSYPIKYVHAFESNNFIYFLTVQRETLDAQTFHTRIIFCSINSGLH
 SYMEMPLECILTEKRKKRSTKKEVFNILQAAYVSKPGAQLARQIGASLNDDILFGVFA
 QSKPDSAEPMDRSAMCAFPKIYVNDFFNKIVNKNVRCQLQHFYGNHEHCFNRLL
 RNSSGCEARRDEYRTEFTTALQRVDLFMGQFSEVLLTSISTFIKGLTIANLGTSEGR
 FMQVVVSRSGPSTPHVNFLLDSHPVSPEVIVEHTLNQNGYTLVITGKKITKIPLNGLG
 CRHFQSCSQCLSAPPFVQCGWCHDKCVRSEECLSGTWTQQICLPAIYKVPNSAPL
 EGGTRLTICGWDFGFRNNKFDLKKTRVLLGNESCTLTLESESTMNTLKCTVGPAMN
 KHFNMSIIISNGHGTTQYSTFSYVDPVITSISPKYGP MAGGTLTLTGNYNLNSGNSRHI
 SIGGKTCTLKSVNSILECYTPAQTISTEFAVKLKIDLANRETSIFS YREDPIVYIEIHPTK
 SFISGGSTITGVGKNLNSVSVPRMVINVHEAGRNFVACQHRNSSEIICCTTPSLQQL
 NLQLPLKTKAFFMLDGILSKYFDLIYVHNPVFKPFKPMISMGNENVLEIKGNDIDPE
 AVKGEVLKVGKSCENIHLHSEAVLCTVPNDLLKLNSELNIEWKQAISSTVLGKVIVQ
 PDQNFGLIAGVVSISTALLLLGFFLWLKQRKQIKDLGSELVRYDARVHTPHLDRLV
 SARSVSPTTEMVSNESVDYRATFPEDQFPNSSQNGSCRQVQYPLTDMSPILTSGDS
 DISSPLLQNTVHIDLSALNPELVQAVQHVVIGPSSLIVHFNEVIGRGHFGCVYHGTLLD
 NDGKKIHCAVKSLNRITDIGEVSQFLTEGIIMKDFSHPNVLSLLGICLRSEGSPLVLP
 YMKHGDLRNFIRNETHNPTVKDLIGFGLQVAKGMKYLASKKFVHRDLAARNCMLDE
 KFTVKVADFG LARDMYDKEYYSVHNKTGAKLPVKWMALESQTQKFTTKSDVWSF
 GVLLWELMTRGAPPYDPVNTFDITVYLLQGRLLQPEYCPDPLYEVMLKCWHPKAE
 MRPSFSELVSRISAIFSTFIGEHYVHV NATYVNVKCVAPYPSLLSSEDNADDEVDRP
 ASFWETS

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	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 H₂O 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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MIM	164860
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UniProt ID	P08581
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