

Recombinant Human MET Protein, C13 and N15 Labeled

Cat. No. MET-557H Lot. No. (See product label)

SPECIFICATION

Product Overview	C13 and N15 Labeled Recombinant human MET protein without tag was expressed in HEK293..
Species	Human
Source	HEK293
ProteinLength	1390
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	Lyophilized
Molecular Mass	32.5 kDa (α chain) & 60 kDa (β chain)

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AA Sequence

MKAPAVLAPGILVLLFTLVQRSNGECKEALAKSEMNVNMKYQLPNFTAETPIQNVILH
 EHHIFLGATNYIYVLNEEDLQKVAEYKTGPVLEHPDCFCQDCSSKANLSSGGVWKD
 NINMALVVDITYDDQLISCGSVNRGTCQRHVFPNHTADIQSEVHCIFSPQIEEPSQ
 CPDCVVSALGAKVLSSVKDRFINFFVGNTINSSYFPDHPHLSISVRRLKETKDGMFL
 TDQSYIDVLPEFRDSYPIKYVHAFESNNFIYFLTVQRETLDATFHTRIIRFCSINSLGH
 SYMEMPLECILTEKRKKRSTKKEVFNILQAAYVSKPGAQLARQIGASLNDDILFGVFA
 QSKPDSAEPMDRSAMCAFPKIYVNDFFNKIVNKNVRLCLQHFYGNHEHCFNRLL
 RNSSGCEARRDEYRTEFTTALQRVDLFMGQFSEVLLTSISTFIKGLDTIANLGTSEGR
 FMQVVVSRSGPSTPHVNFLDSDHPVSPEVIVEHTLNQNGYTLVITGKKITKIPLNGLG
 CRHFQSCSQCLSAPPFVQCGWCHDKCVRSEECLSGTWTQQICLPAIYKVFPNSAPL
 EGGTRLTICGWDFGFRNNKFDLKKTRVLLGNESCTLTLESTMTNLKCTVGPAMN
 KHFNMSIIISNGHGTTQYSTFSYVDPVITSISPKYGPMAAGTLLTLTGNYNLSGNSRHI
 SIGGKTCTLKSVSNSILECYTPAQTISTEFAVKLKIDLANRETSIFSYPREDPIVYEHPTK
 SFISGGSTITGVGKNLNSVSVPRMVINVHEAGRNFVACQHRNSEIICCTTPSLQQL
 NLQLPLKTKAFFMLDGILSKYFDLIYVHNPVFKPFKPMISMGNENVLEIKGNDIDPE
 AVKGEVLKVGNKSCENIHLHSEAVLCTVPNDLLKLNSELNIEWKQAISSTVLGKVIVQ
 PDQNFGLIAGVVSISTALLLLGFFLWLKKRKQIKDLGSELVRYDARVHTPHLDRLV
 SARVSPTTEMVSNESVDYRATFPEDQFPNSSQNGSCRQVQYPLTDMSPILTSQDS
 DISSPLLQNTVHIDLSALNPELVQAVQHVVIGPSSLIVHFNEVIGRGHFGCVYHGTLLD
 NDGKKIHCAVKSLNRITDIGEVSQFLTEGIIMKDFSHPNVLSLLGICLRSEGSPVVLP
 YMKHGDLRNFIRNETHNPTVKDLIGFGLQVAKGMKYLASKKFVHRDLAARNCMLDE
 KFTVKVADFGGLARDMYDKEYYSVHNKTGAKLPVKWMALESQTQKFTTKSDVWSF
 GVLLWELMTRGAPPYPDVNTFDITVYLLQGRRLQPEYCPDPLYEVMLKCWHPKAE
 MRPSFSELVSRISAIFSTFIGEHYVHVNATYVNVKCVAPYPSLLSSEDNADDEVDRP
 ASFWETS

Purity	> 98%
Applications	WB; ELISA; FACS; FC

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Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). 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

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Protein Refseq	NP_000236
MIM	164860
UniProt ID	P08581

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