

Recombinant Human MET Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MET-957H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MET MS Standard C13 and N15-labeled recombinant protein (NP_000236) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	155.54 kDa
AA Sequence	MKAPAVLAPGILVLLFTLVQRSNGECKEALAKSEMNVNMKYQLPNFTAETPIQNVILH EHHIFLGATNYIYVLNEEDLQKVAEYKTGPVLEHPDCFCQDCSSKANLSGGVWKD

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NINMALVVDTYDDQLISCGSVNRGTCQRHVFPNHNTADIQSEVHCIFSPQIEEPSQ
 CPDCVVSALGAKVLSSVKDRFINFFVGNTINSSYFPDHPHLSISVRRLKETKDGFMFL
 TDQSYIDVLPEFRDSYPIKYVHAFESNNFIYFLTVQRETLDATFHTRIIRFCSINSGLH
 SYMEMPLECILTEKRKKRSTKKEVFNQLQAAYVSKPGAQLARQIGASLNDDILFGVFA
 QSKPDSAEPMDRSAMCAFPKIYVNDFFNKIVNKNVRLCLQHFYGNHEHCFNRLL
 RNSSGCEARRDEYRTEFTTALQRVDLFMGQFSEVLLTSISTFIKGLDTIANLGTSEGR
 FMQVVVSRSGPSTPHVNFLLDSPVSPVIVEHTLNQNGYTLVITGKKITKIPLNGLG
 CRHFQSCSQCLSAPPFVQCGWCHDKCVRSEECLSGTWTQQICLPAIYKVFPNSAPL
 EGGTRLTICGWDFGFRNNKFDLKKTRVLLGNESCTLTLESTMTNLKCTVGPAMN
 KHFNMSIIISNGHGTTQYSTFSYVDPVITSISPKYGPMAAGTLLTLTGNYLNSGNSRHI
 SIGGKTCTLKSVSNSILECYTPAQTISTEFAVKLKIDLANRETSIFSYPREDPIVYEHPTK
 SFISGGSTITGVGKNLNSVSVPRMVINVHEAGRNFVACQHRNSEIICCTTPSLQQL
 NLQLPLKTKAFFMLDGILSKYFDLIYVHNPFVKPFKPMISMGNENVLEIKGNDIDPE
 AVKGEVLKVGNKSCENIHLHSEAVLCTVPNDLLKLNSLNIWKQAISSTVLGKVIVQ
 PDQNFGLIAGVVSISTALLLLGFFLWLKKRKQIKDLGSELVRYDARVHTPHLDRLV
 SARVSPTTEMVSNESVDYRATFPEDQFPNSSQNGSCRQVQYPLTDMSPILTSQGS
 DISSPLLQNTVHIDLSALNPELVQAVQHVVIGPSSLIVHFNEVIGRGHFGCVYHGTLLD
 NDGKKIHCAVKSLNRITDIGEVSQFLTEGIIMKDFSHPNVLSLLGICLRSEGSPVLP
 YMKHGDLRNFIRNETHNPTVKDLIGFGLQVAKGMKYLASKKFVHRDLAARNCMLDE
 KFTVKVADFGGLARDMYDKEYYSVHNKTGAKLPVKWMALESQTQKFTTKSDVWSF
 GVLLWELMTRGAPPYPDVNTFDITVYLLQGRRLQPEYCPDPLYEVMLKCWHPKAE
 MRPSFSELVSRISAIFSTFIGEHYVHV NATYVNVKCVAPYPSLLSSEDNADDEVDRP
 ASFWETSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

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Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MET MET proto-oncogene, receptor tyrosine kinase [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

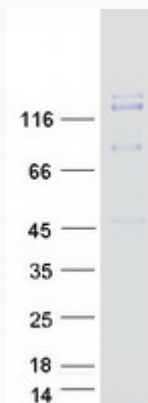
MIM 164860

UniProt ID P08581

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SDS-PAGE

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