

Product datasheet for PH317003

MET (NM_000245) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MET MS Standard C13 and N15-labeled recombinant protein (NP_000236)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217003
Predicted MW:	155.54 kDa
Protein Sequence:	>RC217003 representing NM_000245 Red=Cloning site Green=Tags(s)

MKAPAVLAPGILVLLFTLVQRSNGECKEALAKSEMNVNMKYQLPNFTAETPIQNVILHEHHIFLGATNYI
YVLNEEDLQKVAEYKTGPVLEHPDCFCQDCSSKANLSSGVWKNINMALVVDTYDDQLISCGSVNRGT
CQRHVFPNHHTADIQSEVHCIFSPQIEEPSQPCDCVVSALGAKVLSVVKDRFINFFVNGTINSSYFPDHP
LHSISVRRLLKETKDGFMFLTDQSYIDVLEFRDSYPIKYVHAFESNNFIYFLTVQRETLDAQTFHTRIIR
FCSINSLHSYMEMPLECILTEKRKRSTKKEVFNILQAAYVSKPGAQLARQIGASLNDLILFGVFAQSK
PDSAEPMDRSAMCAFPKIYVNDFFNKIVNKNVRCQLQHFYGNHEHCFNRLLRNSGCEARRDEYRTEF
TTALQRVDLFGQFSEVLLTSISTFIKGLDTIANLGTSEGRFMQVVVSRSGPSTPHVNFLLDSHPVSPEV
IVEHTLNQNGYTLVITGKKITKIPLNGLGCRHFQSCSQCLSAPPFVQCGWCHDKCVRSEECLSGTWTQQI
CLPAIYKVFNSAPLEGGTRLTICGWDFGFRNNKFDLKKTRVLLGNESCTLTLESTMTLKCTVGPAM
NKHFNMSIISNGHGTQYSTFSYVDPVITISPKYGPMAAGGTLTLTGNVLSNGNSRHSISGGKCTLK
SVSNSILECYTPAQTISTEFAVCLKIDLANRETSIFSYPREDPIVYIEIHPKTSFISGGSTITGVGKNLSV
SVPRMIVNVHEAGRNFVACQHRNSEIICCTTPSLQQLNLQLPLKTKAFFMLDGILSKYFDLIYVHNPV
FKPFEKPMISMGNENVLEIKGNDIDPEAVKGEVLKVGKNSCENIHLHSEAVLCTVPNDLLKLNSELNIE
WKQAISSVTLGKIVVQPDQNFGLIAGVVISITALLLLGFFLWLKRRKQIKDLGSELVRYDARVHTPHL
DRLVSARSVSPTEMVSNESVDYRATFPEDQFPNSSQNGSCRQVYPLTDMSPILTSGDSDISSPLLQNT
VHIDLALNPQLVQAVQHVIGPSSLIVHFNEVIGRGHFGCVYHGTLLDNDGKKIHCVAKSLNRIIDIGE
VSQFLTEGIIMKDFSHPNVLSLLGICLRSEGSPLVPLPYMKHGDLRNFIRNETHNPVKDLIGFGLQVAK
GMKYLASKKFVHRDLAARNCMLDEKFTVKVADFLARDMYDKEYYSVHNKTGAKLPVKWMALESQTQKF
TTKSDVWSFGVLLWELMTRGAPPYPDVNTFDITVYLLQGRRLQPEYCPDPLYEVMKLCWHPKAEMRPSF
SELVSRISAIFSTFIGEHYVHVNATYVNVKCVAPYPSLLSSEDNADEVDRPASFWETS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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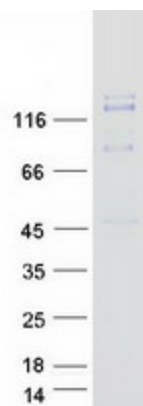
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000236
RefSeq Size:	6641
RefSeq ORF:	4170
Synonyms:	AUTS9; c-Met; DFNB97; HGFR; RCCP2
Locus ID:	4233
UniProt ID:	P08581 , A0A024R759
Cytogenetics:	7q31.2

Summary: 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. [provided by RefSeq, May 2016]

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Adherens junction, Axon guidance, Colorectal cancer, Cytokine-cytokine receptor interaction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection, Focal adhesion, Melanoma, Pathways in cancer, Renal cell carcinoma

Product images:



Coomassie blue staining of purified MET protein (Cat# [TP317003]). The protein was produced from HEK293T cells transfected with MET cDNA clone (Cat# [RC217003]) using MegaTran 2.0 (Cat# [TT210002]).