

## Product datasheet for **TP317003**

### **MET (NM\_000245) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human met proto-oncogene (hepatocyte growth factor receptor) (MET), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T



[View online »](#)

**Expression cDNA Clone or AA Sequence:** >RC217003 representing NM\_000245  
Red=Cloning site Green=Tags(s)

MKAPAVLAPGILVLLFTLVQRSNGECKEALAKSEMNVNMKYQLPNFTAETPIQNVLHEHHIFLGATNYI  
 YVLNEEDLQKVAEYKTGPVLEHPDCFPCQDCSSKANLSGGVWVDNINMALWVDTYDDQLISCGSVNRG  
 T  
 CQRHVFPNHHTADIQSEVHCIFSPQIEEPSQCPDCVVSALGAKVLSSVKDRFINFFVGNTINSSYFPDHP  
 LHSISVRRLLKETKDGFMFLTDQSYIDVLPDFRDSYPIKYVHAFESNNFIYFLTVQRETLDAQTFHTRIIR  
 FCSINSGLHSHMEMPLECILTEKRKRSTKKEVFNIIQAAYVSKPGAQLARQIGASLNDDILFGVFAQSK  
 PDSAEPMDRSAMCAFPKIYVNDFFNKIVNKNVNRCLQHFYGNHEHCFNRTLLRNSSGCEARRDEYRTEF  
 TTALQRVDLFMGQFSEVLLTSISTFIKGDLTIANLGTSEGRFMQVWVSRSGPSTPHVNFLLDSDHPVSPEV  
 IVEHTLNQNGYTLVITGKKITKIPLNGLGCRHFQSCSQCLSAPPFVQCGWCHDKCVRSEELSGTWTQQI  
 CLPAIYKVPNSAPLEGGTRLTICGWDFGFRNNKFDLKKTRVLLGNESCTLTLESTMNTLKCTVGPAM  
 NKHFNMSIIISNGHGTTQYSTFSYVDPVITSISPKYGPMAGGTLTGTGNLNSGNSRHISIGGKTCTLK  
 SVSNSILECYTPAQTISTEFAVKKIDLANRETSIFSREDPIVEIHPTKSFISGGSTITGVGKNLNSV  
 SVPRMVINVHEAGRNFVACQHRSNSEIICCTTSLQQLNLQLPLKTKAFFMLDGILSKYFDLIYVHNVPV  
 FKPFKPVMMISMGNENVLEIKGNDIDPEAVKGEVLKVGKSCENIHLHSEAVLCTVPNDLLKLNSELNIE  
 WKQAISSTVLGKVVQPDQNFGLIAGVVSISTALLLLGFFLWLKRRKQIKDLGSELVRYDARVHTPHL  
 DRLVSARSVPTTEMVSNESVDYRATFPEDQFPNSSQNGSCRQVQYPLTDMSPILTSGDSDISSPLLQNT  
 VHIDLSALNPELVQAVQHVVIGPSSLIVHFNEVIGRGHFVYHGTLLDNDGKKIHCAVKSLNRITDIGE  
 VSQFLTEGIIMKDFSHPNVLSLLGICLRSEGSPLVLPYMKHGDLRNFIRNETHNPTVKDLIGFGLQVAK  
 GMKYLASKKFVHRDLAARNCMLDEKFTVKVADFGFLARDMYDKEYYSVHNKTGAKLPVKWMALESQTQ  
 KF  
 TTKSDVWSFGVLLWELMTRGAPPYDVNTFDITVYLLQGRRLLQPEYCPDPLYEVMLKCWHPKAEMRPS  
 F  
 SELVSRISAIFFSTFIGEHYVHVNATYVNVKCVAPYPSLLSSEDNADDEVDRPASFWETS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

- Tag:** C-Myc/DDK
- Predicted MW:** 153 kDa
- Concentration:** >0.05 µg/µL as determined by microplate BCA method
- Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining
- Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
- Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
- Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
- Storage:** Store at -80°C.
- Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

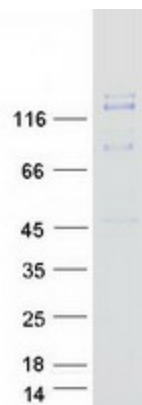
RefSeq:	<a href="#">NP_000236</a>
Locus ID:	4233
UniProt ID:	<a href="#">P08581</a>
RefSeq Size:	6641
Cytogenetics:	7q31.2
RefSeq ORF:	4170
Synonyms:	AUTS9; c-Met; DFNB97; HGFR; RCCP2

**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]).