

Product datasheet for **SC316318**

MET (NM_000245) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MET (NM_000245) Human Untagged Clone
Tag:	Tag Free
Symbol:	MET
Synonyms:	AUTS9; c-Met; DFNB97; HGFR; RCCP2
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF sequence for NM_000245 edited

```
ATGAAGGCCCGCTGTGCTTGACCTGGCATCCTCGTGCCTCTGTTACCTTGGTGCAG
AGGAGCAATGGGAGTGTAAAGAGGCACTAGCAAAGTCCGAGATGAATGTGAATATGAAG
TATCAGCTTCCAACTTCACCGCGAAACCCATCCAGAATGTCATTCTACATGAGCAT
CACATTTTCTTGGTGCCACTAATACTTTATGTTTTAAATGAGGAAGACCTTCAGAAG
GTTGCTGAGTACAAGACTGGGCTGTGCTGGAACACCCAGATTGTTTCCCATGTCAGGAC
TGCAGCAGCAAAGCCAATTTATCAGGAGGTGTTGGAAAGATAACATCAACATGGCTCTA
GTTGTCGACACCTACTATGATGATCAACTATTAGCTGTGGCAGCGTCAACAGAGGGACC
TGCCAGCGACATGCTTTCCCAATCATACTGCTGACATACAGTCGGAGGTTCACTGC
ATATTCTCCACAGATAGAAGAGCCCAGCCAGTGTCTGACTGTGTGGTGAAGCCCTG
GGAGCCAAAGTCTTTTCACTGTAAAGGACCGGTTCACTCAACTCTTTGTAGGCAATACC
ATAAATCTTCTTATTTCCAGATCATCCATTGCATTGATATCAGTGAGAAGGCTAAAG
GAAACGAAAGATGGTTTTATGTTTTGACGGACCAAGTCTTACATTGATGTTTTACCTGAG
TTCAGAGATTCTTACCCATTAAGTATGTCCATGCCTTTGAAAGCAACAATTTTATTTAC
TTCTTGACGGTCCAAAGGAACTCTAGATGCTCAGACTTTTACACAAGAATAATCAGG
TTCTGTTCCATAAACTCTGGATTGCATTCTACATGAAATGCCTCTGGAGTGTATTCTC
ACAGAAAAGAGAAAAAGAGATCCACAAAAGAAAGTGTAAATACTTCAGGCTGCG
TATGTCAGCAAGCCTGGGCCCAGCTTGCTAGACAAATAGGAGCCAGCCTGAATGATGAC
ATTCTTTTCGGGGTGTTCGCACAAGCAAGCCAGATTCTGCCGAACCAATGGATCGATCT
GCCATGTGTGCATTCCCTATCAAATATGTCAACGACTTCTTCAACAAGATCGTCAACAAA
AACAAATGTGAGATGTCTCCAGCATTTTTACGGACCCAATCATGAGCACTGCTTTAATAGG
ACACTTCTGAGAAATTCATCAGGCTGTGAAGCGCGCCGTGATGAATATCGAACAGAGTTT
ACCACAGCTTTGCAGCGGTTGACTTATTCATGGGTCAATTCAGCGAAGTCTCTTAACA
TCTATATCCACCTTCATTAAGGAGACCTCACCATAGCTAATCTTGGGACATCAGAGGGT
CGTTCATGCAGGTTGTGGTTTCTCGATCAGGACCATCAACCCCTCATGTGAATTTTCTC
CTGGACTCCCATCCAGTGTCTCCAGAAGTATTGTGGAGCATACATTAACCAAAATGGC
TACACACTGGTTATCACTGGGAAGAAGATCACGAAGATCCCATTTGAATGGCTTGGGCTGC
AGACATTTCCAGTCTGCAGTCAATGCCTCTGCCCCACCTTTGTTCAAGTGTGGCTGG
```



[View online »](#)

TGCCACGACAAATGTGTGCGATCGGAGGAATGCCTGAGCGGGACATGGACTCAACAGATC
TGTCTGCCTGCAATCTACAAGGTTTTCCCAAATAGTGCACCCCTTGAAGGAGGGACAAGG
CTGACCATATGTGGCTGGGACTTTGGATTTTCGGAGGAATAATAAATTTGATTTAAAGAAA
ACTAGAGTTCTCCTTGAAAATGAGAGCTGCACCTTGACTTTAAGTGAGAGCACGATGAAT
ACATTGAAATGCACAGTTGGTCTGCCATGAATAAGCATTTCAATATGTCCATAATTATT
TCAAATGGCCACGGGACAACAATAACAGTACATTCTCCTATGTGGATCCTGTAATAACA
AGTATTTTCGCGAAATACGGTCTATGGCTGGTGGCACTTTACTTACTTTAACTGGAAAT
TACCTAAACAGTGGGAATCTAGACACATTTCAATTGGTGGAAAAACATGTACTTTAAAA
AGTGTGTCAAACAGTATTCTTGAATGTTATACCCAGCCCAAACCATTTCAACTGAGTTT
GCTGTTAAATTGAAAATTGACTTAGCCAACCGAGAGACAAGCATCTTCAGTTACCGTGAA
GATCCCATTGTCTATGAAATTCATCCAACCAAATCTTTTATTAGTGGTGGGAGCACAATA
ACAGGTGTTGGGAAAAACCTGAATTCAGTTAGTGTCCCGAGAATGGTCATAAATGTGCAT
GAAGCAGGAAGGAACTTTACAGTGGCATGTCAACATCGCTCTAATTCAGAGATAATCTGT
TGTACCACTCCTCCCTGCAACAGCTGAATCTGCAACTCCCCCTGAAAACCAAAGCCTTT
TTCATGTTAGATGGGATCCTTTCCAAACTTTGATCTCATTTATGTACATAATCCTGTG
TTTAAGCCTTTTAAAAGCCAGTGATGATCTCAATGGGCAATGAAAATGTAAGTGGAAAT
AAGGAAAATGATATTGACCCTGAAGCAGTTAAAGTGAAGTGTAAAAAGTTGAAAATAAG
AGCTGTGAGAATATACACTTACATTCTGAAGCCGTTTTATGCACGGTCCCCAATGACCTG
CTGAAATTGAACAGCGAGCTAAATATAGAGTGGAAAGCAAGCAATTTCTTCAACCGTCCTT
GGAAAAGTAATAGTTCAACCAGATCAGAATTTACAGGATTGATTGCTGGTGTGTCTCA
ATATCAACAGCACTGTTATTACTACTTGGGTTTTCTGTGGCTGAAAAAGAGAAAGCAA
ATTAAGATCTGGGCAGTGAATAGTTCGCTACGATGCAAGAGTACACACTCCTCATTTG
GATAGGCTTGTAAAGTCCCGAAGTGAAGCCCAACTACAGAAATGGTTTTCAAATGAATC
GTAGACTACCGAGCTACTTTCCAGAAGATCAGTTTCTAATTCATCTCAGAACGGTTCA
TGCCGACAAGTGCAATCCTCTGACAGACATGTCCCCATCCTAACTAGTGGGACTCT
GATATATCCAGTCCATTACTGCAAAATACTGTCCACATTGACCTCAGTGTCTAAATCCA
GAGCTGGTCCAGGCAGTGCAGCATGTAGTATTGGGCCAGTAGCCTGATTGTGCATTTT
AATGAAGTCATAGGAAGAGGGCATTGGTTGTGTATATCATGGGACTTTGTTGGACAAT
GATGGCAAGAAAATTCAGTGTGCTGTGAAATCCTTGAACAGAATCACTGACATAGGAGAA
GTTTCCCAATTTCTGACCGAGGGAATCATCATGAAAGATTTTAGTCATCCAATGTCCTC
TCGCTCCTGGGAATCTGCCTGCGAAGTGAAGGGTCTCCGCTGGTGGTCTACCATACATG
AAACATGGAGATCTCGAAATTTCAATCGAAATGAGACTCATAATCCAACGTGAAAAGAT
CTTATTGGCTTTGGTCTTCAAGTAGCCAAAGGCATGAAATATCTTGAAGCAAAAAGTTT
GTCCACAGAGACTTGGCTGCAAGAACTGTATGCTGGATGAAAAATTCACAGTCAAGGTT
GCTGATTTTGGTCTTGCCAGAGACATGTATGATAAAGAATACTATAGTGTACACAACAAA
ACAGGTGCAAAGCTGCCAGTGAAGTGGATGGCTTTGGAAAGTCTGCAAACAAAAGTTT
ACCACCAAGTCAGATGTGTGGTCTTTGGCGTCTCCTCTGGGAGCTGATGACAAGAGGA
GCCCCACCTTATCCTGATGTAACACCTTTGATATAACTGTTTACTTGTGCAAGGGAGA
AGACTCCTACAACCCGAATACTGCCAGACCCCTTATATGAAGTAATGCTAAAATGCTGG
CACCTAAAGCCGAAATGCGCCCATCCTTTTCTGAAGTGGTGTCCGGATATCAGCAATC
TTCTCTACTTTTATTGGGAGCACTATGTCCATGTGAACGCTACTTATGTGAACGTAATA
TGTGTGCTCCATATCCTTCTCTGTGTGCATCAGAAGATAACGCTGATGATGAGGTGGAC
ACACGACCAGCCTCCTTCTGGGAGACATCATAG

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000245 unedited
 GAGACTTTGTATACGACTCCTATAGGGCGGCCGGAATCTCGGCACCAGCTGACTTGCTG
 AGAGGAGGCGGGGAGGCGCGGAGCGCGCTGTGGTCCCTTGCGCCGCTGACTTCTCCACTG
 GTTCTGGGCACCGAAAGATAAACCTCTCATAATGAAGGCCCGCTGTGCTTGCACCTG
 GCATCCTCGTCTCTGTTTACCTTGGTGCAGAGGAGCAATGGGGAGTGTAAAGAGGCAC
 TAGCAAAGTCCGAGATGAATGTGAATATGAAGTATCAGCTTCCCAACTTACC CGGGAAA
 CACCCATCCAGAATGTCATTCTACATGAGCATCACATTTTCCTTGGTGCCACTA ACTACA
 TTTATGTTTTAAATGAGGAAGACCTTCAGAAGGTTGCTGAGTACAAGACTGGGCCTGTGC
 TGGAACCCAGATTGTTTCCCATGTCAGGACTGCAGCAGCAAAGCCAATTTATCAGGAG
 GTGTTTGGAAAGATAACATCAACATGGCTCTAGTTGTCGACACCTACTATGATGATCAAC
 TCATTAGCTGTGGCAGCGTCAACAGAGGGACCTGCCAGCGACATGTCTTTCCCAACAATC
 ATACTGCTGACATACAGTCGGAGGTTCACTGCATATTCTCCACAGATAGAAGAGCCCA
 GCCAGTGTCTGACTGTGGTGTAGCGCCCTGGGAGCCAAAGTCTTTCATCTGTAAAGG
 ACCGGTTCATCAACTTCTTTGTAGGCAATACCATAAATCTTCTTATTTCCAGATCATC
 CATTGCATTTCGATATCAGTGAGACGCTAAAGAAACGAAAGATGGTTTTATGTTTTTGACG
 GACCAGTCTACATTGATGTTTTACCTGGAGTTCAGAGGATTTCTTACCCCATTAAGTAT
 TG

3' Read Nucleotide Sequence: >Forward primer walk for NM_000245 unedited
 CTGCCATGCTGTGAAATTACAGTCAGGTTGCTGATTTTGGTCTTGCCAGAGACATGTATG
 ATAAAGAATACTATAGTGTACACAACAAAACAGGTGCAAAGCTGCCAGTGAAGTGGATGG
 CTTTGGAAAGTCTGCAAACCTCAAAGTTTACCACCAAGTCAGATGTGTGGTCTTTGGCG
 TGCTCCTCTGGGAGCTGATGACAAGAGGAGCCCCACCTTATCCTGATGTAACACCTTTG
 ATATAACTGTTTACTTGTGCAAGGGAGAAGACTCCTACAACCCGAATACTGCCAGACC
 CCTTATATGAAGTAATGCTAAAATGCTGGCACCCATAAGCCGAAATGCGCCCATCCTTTT
 CTGAACCTGGTGTCCCGATATCAGCAATCTTCTACTTTTATTGGGGAGCACTATGTCC
 ATGTGAACGCTACTTATGTGAACGTAATAATGTGTGCTCCATATCCTTCTCTGTTGTCAT
 CAGAAGATAACGCTGATGATGAGGTGGACACACGACCAGCCTCCTTCTGGGAGACATCAT
 AGTGCTAGTACTATGTCAAAGCAACAGTCCACACTTTGTCCAATGGTTTTTTCACTGCCT
 GACCTTTAAAAGGCCATCGATATTCTTTGCTCTTGCCAAAATTGCACTATTATAGGACTT
 GTATTGTTATTTAAATTAAGTACTGGATTCTAAGGAATTTCTTATCTGACAGAGCATCAGAACC
 AGAGCTTGGTCCCACAGGCCACGGACCAATGGCCTGCAGCCGTGACAACACTCCTGTCAT
 ATTGGAGTCCAAAACCTGAATTCTGGGTTGAATTTTTTAAAATCAGTACCACCTTGATTT
 CATATGGGAAATTAAGCAGAAATATTGAGGCTTCTTGATCACAGAAAACCTCAGAGAGAA
 AGTAATGCTCAGACAGGAGCGGCAGCCCCAG

Restriction Sites: Please inquire

ACCN: NM_000245

Insert Size: 5000 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.NA</p>
RefSeq:	<p>NM_000245.2, NP_000236.2</p>
RefSeq Size:	<p>6641 bp</p>
RefSeq ORF:	<p>4173 bp</p>
Locus ID:	<p>4233</p>
Protein Families:	<p>Druggable Genome, Protein Kinase, Transmembrane</p>
Protein Pathways:	<p>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</p>
Gene Summary:	<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. [provided by RefSeq, May 2016]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>