

## Product datasheet for **SC100433**

### Methionyl Aminopeptidase 1 (METAP1) (NM\_015143) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Methionyl Aminopeptidase 1 (METAP1) (NM_015143) Human Untagged Clone
Tag:	Tag Free
Symbol:	Methionyl Aminopeptidase 1
Synonyms:	MAP1A; MetAP1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015143, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCGTGGAGACGCGGGTGTGCGAGACAGACGGCTGCAGCAGTGAGGCCAAGCTCCAGTGTCCCA  
CTTGATCAAGCTGGGCATCCAGGGCTCGTACTTCTGCTCGCAGGAATGTTTTAAAGGAAGTTGGGCTAC  
TCACAAGTTACTACATAAGAAAGCAAAAGATGAAAAGGCGAAGCGAGAAGTGTCTTCTGGACTGTGGAA  
GGTGATATTAATACTGACCCATGGGCAGGTTATCGATATACTGGTAAACTCAGACCACATTATCCACTGA  
TGCCAACAAGGCCAGTGCCAAGTTATATCAAAGACCAGATTATGCTGATCATCCCTTAGGAATGTCTGA  
ATCTGAACAGGCTCTTAAAGTACTTCTCAGATTAATTAATCTCTCATCTGAAGATATAGAAGGGATGCGA  
CTTGATGTAGGCTTGCTAGAGAAGTTTTGGATGTTGCTGCCGGCATGATTAACCAGGTGTAACACTG  
AAGAAATAGATCAGCTGTACACTTAGCATGTATTGCAAGAAATTGCTACCCTTCTCCCCTGAATTATTA  
TAATTTCCCAAAGTCTTGTGTACCTCAGTGAATGAAGTCATTTGCCATGGAATACCAGACAGAAGGCC  
TTACAAGAAGGTGACATTGTTAATGTGGATATCACTCTTTATCGCAATGTTATCATGGGGACCTGAATG  
AGACATTTTTTGTGGAGAAGTGGATGATGGAGCACGAAACTTGTTCCAGACCACATATGAGTGCCTGAT  
GCAAGCCATTGATGCAGTGAAGCCTGGTGTTCGGTACAGAGAATTGGGAAACATTATCCAGAAGCATGCC  
CAAGCAAATGGGTTTTTCAGTTGTTCTGAAGCTATTGTGGCATGGAATCCACAAGCTTTTTATACAGCTC  
CCAATGTACCCCACTATGCTAAAAATAAAGCAGTTGGAGTGATGAAGTCGGGCCATGTATTTACAATTGA  
GCCAATGATTTGTGAAGGCGGATGGCAGGATGAAACCTGGCCAGATGGTTGGACTGCGGTGACAAGAGAC  
GGAAAGCGGTCTGCTCAGTTTGAGCACACCCCTCTGGTCACAGACACTGGCTGTGAAATCCTAACCCGGC  
GACTTGACAGTGACGGCCTCACTTCATGTCTCAATTTAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_015143 unedited  
 TCAGCATTGTATACGACTCACTATAGGCCGCCGAATTCGCACGAGGGAGAAGTGTCT  
 TCCTGGACTGTGGAAGGTGATATTAATACTGACCCATGGGCAGGTTATCGATATACTGGT  
 AAACTCAGACCACATTATCCACTGATGCCAACAAGGCCAGTGCCAAGTTATTTCAAAGA  
 CCAGATTATGCTGATCATCCCTTAGGAATGTCTGAATCTGAACAGGCTCTTAAAGGTACT  
 TCTCAGATTAATACTCTCATCTGAAGATATAGAAGGGATGCGACTTGTATGTAGGCTT  
 GCTAGAGAAGTTTTGGATGTTGCTGCCGGCATGATTAACCAGGTGTAACACTACTGAAGAA  
 ATAGATCAGCTGTACACTTAGCATGTATTGCAAGAAATTGCTACCCCTTCCCCCTGAAT  
 TATTATAATTTCCCAAAGTCTTGTGTACCTCAGTGAATGAAGTCATTTGCCATGGAATA  
 CCAGACAGAAGGCCCTTACAAGAAGGTGACATTGTTAATGTGGATACACTCTTTATCGC  
 AATGGTTATCATGGGACCTGAATGAGACATTTTTTTGTTGGAGAAGTGGATGATGGAGCA  
 CGGAAACTTGTTCAGACCACATATGAGTGCCTGATGCAAGCCATTGATGCAGTGAAGCCT  
 GGTGTTCCGTACAGAGAATTGGGAAACATTATCCAGAAGCATGCCAAGCAAATGGGTTT  
 TCAGTTGTTTCAAGCTATTGTGGGCATGGAATCCACAAGCTTTTTATACAGCTCCCAAT  
 GTACCCCACTATGCTAAAATAAAGCAGTTGGAGTATGAAGTCNGGCCATGTATTTACAA  
 TTGAGCCCATGATTTGTGAAGGGCGATGGCANGATGAAACCTGGCCAGATGGTTGGACTG  
 CGGTGANCAAGAGAAGNAAAGACGGTCTGCTCAGTTGACACACCCTNCTGGTCCAGACACT  
 GGCTGTGAAAATCTACCGCGACTTGAAT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_015143 unedited  
 TAATCTATGNACGGCGCCGATTCTANGATCAGTTTTTTTTTTTTTTTTTTTAGGATAATC  
 ATTCAAACTTTTTAATCTCCCTTACACATTATATTAACATTCATATTGCAAGGCATTCC  
 ATTCACAAATATTACAGTTTGATAAAAACTTCACACACATACTCCCAAAGTCTATACCAG  
 ATTCAGTCAACTTACTAAATCATTCAAATAATAAAAGTAATGAAAACATTATTATATTT  
 TAAAGCAATAAGGTCTGAGGCACTCTGGGAAAGATGTTCTTTACAAGTATAATGTGTCA  
 GTGGTATGAAATTATATTACAAGGATGCCAGTAATCAAGTACACTCTAATGACAATGAC  
 TTTGTGATTTGATATGCTTCACTGGATACACTCCTACTTGGACAACCTGCTGAAAGGAAC  
 GTAGATATGGGGCAGCTGAGGTCAATTTCTAATGAGGTTCCCAACTATGTAAGGAGAGGT  
 GTGTTTCCACACACGAAGGACAGCTGCATCTCTACTGCAAGGTTACAGTACACAAAATTC  
 CTTTCTCATCACTATCACATTTACTCAACGTTAGATTTTAAATAGCCCACTTGACCTCCTG  
 GGTTACAGCTGGAGACACTTTAGAACTTTTCCCATCCTCCAACATAGTGCAAACCTTC  
 ACGCTTCTCTGACACCTCCAAAGTATGCCCTTGAAGTAAAACAGAAAAGGAAAGGAAAGGG  
 GGCTTTTCTTTCCATTCTGACAAAACAGAGGTCTGAATAGCAGTGTATATGAAATTCTTA  
 TCCCTGGACAGTCAGCCACACTTGAAAATGGTATTTTTGCCTAAACAGAAATTTAAAAC  
 CTGATTACCTTCAAGTGAATTTACTACTTTCTTCTGAAACCAAGGTCCCTTGAGAA  
 GGCTCATGGGTGAGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_015143

**Insert Size:**

2500 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_015143.1</a> , <a href="#">NP_055958.1</a>
<b>RefSeq Size:</b>	2835 bp
<b>RefSeq ORF:</b>	2835 bp
<b>Locus ID:</b>	23173
<b>UniProt ID:</b>	<a href="#">P53582</a>
<b>Cytogenetics:</b>	4q23
<b>Domains:</b>	Peptidase_M24
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Cotranslationally removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). Required for normal progression through the cell cycle.[UniProtKB/Swiss-Prot Function]