

Product datasheet for **SC317619**

Methionyl Aminopeptidase 1 (METAP1) (NM_015143) Human Untagged Clone

Product data:

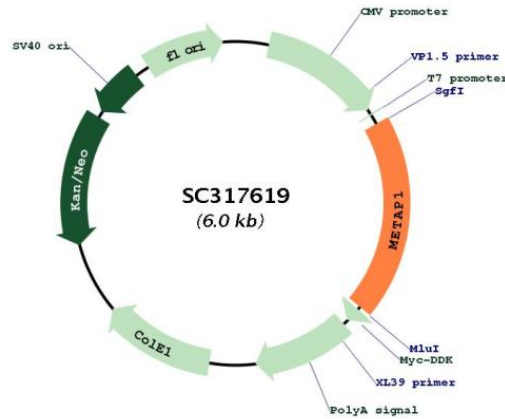
Product Type:	Expression Plasmids
Product Name:	Methionyl Aminopeptidase 1 (METAP1) (NM_015143) Human Untagged Clone
Tag:	Tag Free
Symbol:	METAP1
Synonyms:	MAP1A; MetAP1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317619 representing NM_015143. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGGCCGTGGAGACGCGGGTGTGCGAGACAGACGGCTGCAGCAGTGAGGCCAAGCTCCAGTGTCCC
ACTTGATCAAGCTGGGCATCCAGGGCTCGTACTTCTGCTCGCAGGAATGTTTTAAAGGAAGTTGGGCT
ACTCACAAGTTACTACATAAGAAAGCAAAGATGAAAAGGCGAAGCGAGAAGTGTCTTCTGGACTGTG
GAAGGTGATTAATACTGACCCATGGGCAGTTATCGATATACTGGTAAACTCAGACCACATTATCCA
CTGATGCCAACCAAGCCAGTGCCAAGTTATATTCAAAGACCAGATTATGCTGATCATCCCTTAGGAATG
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ACTACTGAAGAAATAGATCACGCTGTACACTTAGCATGTATTGCAAGAAATTGCTACCCTTCTCCCTG
AATTATTATAATTTCCCAAAGTCTTGTGTACCTCAGTGAATGAAGTCATTTGCCATGGAATACCAGAC
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GAGTGCCTGATGCAAGCCATTGATGCAGTGAAGCCTGGTGTTCGGTACAGAGAATTGGGAAACATTATC
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GAAATCTAACCCGGCGACTTGACAGTGACCGCCTCACTTCATGTCTCAATTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_015143

Insert Size: 1161 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_015143.2](#)

RefSeq Size: 2835 bp

RefSeq ORF: 1161 bp

Locus ID: 23173

UniProt ID: [P53582](#)

Cytogenetics:	4q23
Domains:	Peptidase_M24
Protein Families:	Druggable Genome
MW:	43.2 kDa
Gene Summary:	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]