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Product datasheet for SC307902

MAP1D (METAP1D) (NM_199227) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP1D (METAP1D) (NM_199227) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP1D
Synonyms:	MAP 1D; MAP1D; MetAP 1D; Metap1l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307902 representing NM_199227. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGGCGCCCAGTGGCGTCCACCTGCTCGTCCGCAGAGGTTCTCATAGAATTTTCTCTTCACCACTC AATCATATCTACTTACACAAGCAGTCAAGCAGTCAACAAAGAAGAAATTTCTTTTTTCGGAGACAAAGA GATATTTCACACAGTATAGTTTTGCCGGCTGCAGTTTCTTCAGCTCATCCGGTTCCTAAGCACATAAAG AAGCCAGACTATGTGACGACAGGCATTGTACCAGACTGGGGAGACAGCATAGAAGTTAAGAATGAAGAT CAGATTCAAGGGCTTCATCAGGCTTGTCAGCTGGCCCGCCACGTCCTCCTCTTGGCTGGGAAGAGTTTA AAGGTTGACATGACAACTGAAGAGATAGATGCTCTTGTTCATCGGGAAATCATCAGTCATAATGCCTAT CCCTCACCTCTAGGCTATGGAGGTTTTCCAAAATCTGTTTGTACCTCTGTAAACAACGTGCTCTGTCAT GGTATTCCTGACAGTCGACCTCTTCAGGATGGAGATATTATCAACATTGATGTCACAGTCTATTACAAT GGCTACCATGGAGACACCTCTGAAACATTTTTGGTGGGCAATGTGGACGAATGTGGTAAAAAGTTAGTG GAGGTTGCCAGGAGGTGTAGAGATGAAGCAATTGCAGCTTGCAGAGCAGGGGCTCCCTTCTCTGTAATT GGAAACACAATCAGCCACATAACTCATCAGAATGGTTTTCAAGTCTGTCCACATTTTGTGGGACATGGA ATAGGATCTTACTTTCATGGACATCCAGAAATTTGGCATCATGCAAACGACAGTGATCTACCCATGGAG GAGGGCATGGCATTCACTATAGAGCCAATCATCACGGAGGGATCCCCTGAATTTAAAGTCCTGGAGGAT GCATGGACTGTGGTCTCCCTAGACAATCAAAGGTCGGCGCAGTTCGAGCACACGGTTCTGATCACGTCG AGGGGCGCGCAGATCCTGACCAAACTACCCCATGAGGCCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_199227
Insert Size:	1008 bp

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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_199227.1
RefSeq Size:	1550 bp
RefSeq ORF:	1008 bp
Locus ID:	254042
UniProt ID:	Q6UB28
Cytogenetics:	2q31.1
Protein Families:	Druggable Genome
MW:	37.1 kDa
Gene Summary:	The N-terminal methionine excision pathway is an essential process in which the N-terminal methionine is removed from many proteins, thus facilitating subsequent protein modification. In mitochondria, enzymes that catalyze this reaction are celled methionine aminopeptidases (MetAps, or MAPs; EC 3.4.11.18) (Serero et al., 2003 [PubMed 14532271]). [supplied by OMIM, Mar 2008]