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Product datasheet for SC203330

OMA1 (NM_145243) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	OMA1 (NM_145243) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	OMA1
Synonyms:	2010001O09Rik; DAB1; MPRP-1; MPRP1; peptidase; YKR087C; ZMPOMA1
ACCN:	NM_145243
Insert Size:	276 bp
Insert Sequence:	>SC203330 3'UTR clone of NM_145243 The sequence shown below is from the reference sequence of NM_145243. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TACATAGTTGAGAAAAGAACGGGCAGTTGAATTAAAATTTATGAGACACAAGATATATGAAGAATGTTG CAGTCCTTATCATTTTATGTTACTTTTTAAAAAATGATGTTTGAAGTGAAAAAAAAAAGGATATTCAGG GTCAAATCATGTACATTACAGATATTATCTAAATTCTTCTAGAATTTATTTTTCATGAAATATTGATGT ATTTTAATCTATGTTAAAATATCTTCAATGAGGAAAATGTCACAGAATAAATTTATATTACACATTTTA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_145243.5

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Summary: Metalloprotease that is part of the quality control system in the inner membrane of mitochondria. Following stress conditions that induce loss of mitochondrial membrane potential, mediates cleavage of OPA1 at S1 position, leading to OPA1 inactivation and negative regulation of mitochondrial fusion. May also cleave UQCC3 under these conditions. Its role in mitochondrial quality control is essential for regulating lipid metabolism as well as to maintain body temperature and energy expenditure under cold-stress conditions. [UniProtKB/Swiss-Prot Function]

Locus ID: 115209

MW: 11.2