

MOAP1 cDNA

Catalog Number: ATGD0158

PRODUCT INFORMATION

Catalog number

ATGD0158

Product type

cDNA

Species

Human

NCBI Accession No.

NP_071434.2

Alternative Names

MAP-1, PNMA4

mRNA Refseq

NM_022151.4

OMIM

609485

Chromosome location

14q32

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1056bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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The protein encoded by MOAP1 was identified by its interaction with apoptosis regulator BAX protein. This protein contains a Bcl-2 homology 3 (BH3) -like motif, which is required for the association with BAX. When overexpressed, this gene has been shown to mediate caspase-dependent apoptosis.

DATA

Sequence nucleotides

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ATGACTTTGAGGCTTTTAGAAGACTGGTGCAGGGGGATGGACATGAACCCTCGGAAAGCGCTATTGATTGCCGGCATCTCC
CAGAGCTGCAGTGTGGCAGAAATCGAGGAGGCTCTGCAGGCTGTTTAGCTCCCTTGGGGGAGTACAGACTGCTTGAAG
GATGTTTCAGGAGGGATGAGAACAGGAAAGTAGCCTTAGTAGGGCTTACTGCGGAGACTAGTCACGCCCTGGTCCCTAAGG
AGATACCGGGAAAAGGGGGTATCTGGAGAGTGATCTTTAAGCCCCCTGACCCAGATAATACATTTTTAAGCAGATTAAATGA
ATTTTTAGCGGGAGAGGGCATGACAGTGGGTGAGTTGAGCAGAGCTCTTGGACATGAAAATGGCTCCTTAGACCCAGAGCA
GGGCATGATCCCGGAAATGTGGGCCCCTATGTTGGCACAGGCATTAGAGGCTCTTCAGCCTGCCCTGCAATGCTTGAAGTA
TAAAAAGCTGAGAGTGTTCTCGGGCAGGGAGTCTCCAGAACCAGGAGAAGAAGAATTTGGACGCTGGATGTTTCATACTAC
TCAGATGATAAAGGCGTGCCAGGTGCCAGATGTAGAGAAGAGAAGGCGATTGCTAGAGAGCCTTCGAGGCCAGCACTTG
ATGTTATTCGTGCTCCTCAAGATAAACAATCCTTTAATTACTGTCGATGAATGTCTGCAGGCTCTTGAGGAGGTATTTGGGGTT
ACAGATAATCCTAGGGAGTTGCAGGTCAAATATCTAACCCTTACCAGAAGGATGAGGAAAAGTTGTCGGCTTATGTACTAA
GGCTGGAGCCTTTGTTACAGAAGCTGGTACAGAGAGGAGCAATTGAGAGAGATGCTGTGAATCAGGCCCGCCTAGACCAA
GTCATTGCTGGGGCAGTCCACAAAACAATTCGCAGAGAGCTTAATCTGCCAGAGGATGGCCCAGCCCCTGGTTTCTTGCAG
TTATTGGTACTAATAAAGGATTATGAGGCAGCTGAGGAGGAGGAGGCCCTTCTCCAGGCAATATTGGAAGGTAATTTACCT
GA
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Transaction Sequence

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MTLRLEDWC RGMDMNPRA LLIAGISQSC SVAEIEEALQ AGLAPLGEYR LLGRMFRRDE NRKVALVGLT AETSHALVPK
EIPGKGGIWR VIFKPPDPDN TFLSRLNEFL AGEGMTVGEL SRALGHENGS LDPEQGMPIE MWAPMLAQAL EALQPALQCL
KYKKLRVFSG RESPEPGEER FGRWMFHHTQ MIKAWQVPDV EKRRRLLESL RGPALDVIRV LKINNPLITV DECLQALEEV
FGVTDNPREL QVKYLTTYQK DEEKLSAYVL RLEPLLQKLV QRGAIERDAV NQARLDQVIA GAVHKTIKRE LNLPEDEGAP
GFLQLLVLIK DYEAEEEEEA LLQAILEGNF T
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