

## Product datasheet for MR205352

### Moap1 (NM\_022323) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Moap1 (NM_022323) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Moap1
Synonyms:	AA987038; Map-1; Pnma4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205352 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACACTGAGACTTCTAGAAGACTGGTGCAGAGGGATGGATATGAATCCTCGAAAGCACTATTGGTTG  
CCGGCATCCCTCCGACCTGCGGAGTGGCAGACATAGAGGAGGCCCTGCAGGCTGGCCTTGCCTTAGG  
GGAACACAGACTGCTTGGGAGGATGTTCCAGGAGGGATGAGAACAAGAATGTAGCCCTGATTGGGCTTACA  
GTAGAGACTGGCAGTCCCTGGTCCCAAGGAAATACCTGCAAAAGGAGGTGTCTGGAGAGTGATCTTTA  
AGCCTCCTGATACTGATAGTGACTTTTTGTGCAGATTAATGAGTTTTTAAAGGGGGAGGGCATGACGAT  
GGGTGAATTAACCAGAGTTCCTGGGAATCGGAATGACCCTCTCGGCCTAGACCCGGGCATAATGATCCCT  
GAAATTCGAGCACCCATGTTAGCACAGGCATTAATGAGGCCCTTAAGCCTACCTGCGATATCTGAGGT  
ACAAAAAGCTGAGTGTGTCTCAGGCAGGGATCCTCCAGGACCAGGTGAGGAAGAATTTGAATCTTGGAT  
GTTTCATACTTCCCAAGTAATGAAAACATGGCAGGTGTCAGATGTAGAGAAAAGAAGCGGTTGATAGAG  
AGCCTTAGAGGTCCAGCATTTGAAATTATTCGAGTCTCAAGATAAAACACCCCTTACATTACAGTTGCAG  
AATGCCTGAAGACGCTTGAGACAATATTTGGGATTATTGATAATCCTAGAGCATTGCAGGTCAAATACCT  
TACTACTTATCAGAAGACTGATGAAAAGCTGTCTGCCTATGTTCTAAGGTTGGAGCCTTTATTGCAGAAA  
CTGGTTCCAGAAAGGAGCAATTGAGAAAGAAGTTGTAATCAGGCCCGTCTAGACCAAGTCATTGCTGGGG  
CAGTCCACAAATCAGTTGGAAGAGAGCTTGGGCTGCCGGAGGATAGCCCAGCCCCAGGCTTACTGCAGTT  
GCTGACACTGATAAAAAGATAAGGAGGCCGAAGAAGAAGAGGTCTCTCAGGCCGAATTAGAAGGCTAT  
TGCACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205352 protein sequence  
 Red=Cloning site Green=Tags(s)

MTLRLLLEDWCRGMDMNP RKALLVAGIPPTCGVADIEEALQAGLAPLGEHRLLRMFRDENKNVALIGLT  
 VETGSALVPKEIPAKGGVWRVIFKPPDSDFLCRLNEFLKKEGTMGELTRVLGNRNDPLGLDPGIMIP  
 EIRAPMLAQUALNEALKPTLQYLRYKKLSVFSGRDPPGPGEEEFESWMFHTSQVMKTWQVSDVEKRRRLIE  
 SLRGPFAFEIIRVLKINPFITVAECLKTLETIFGIIDNPRALQVKYLTTYQKTDEKLSAYVLRLEPLLQK  
 LVQKGAIEKEVNVQARLDQVIAGAVHKSVRRELGLPEGSPAPGLLQLLTLIKDKEAEEEEVLLQAELEGY  
 CT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_022323

**ORF Size:** 1059 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_022323.7](#)

**RefSeq Size:** 3728 bp

**RefSeq ORF:** 1059 bp

**Locus ID:** 64113

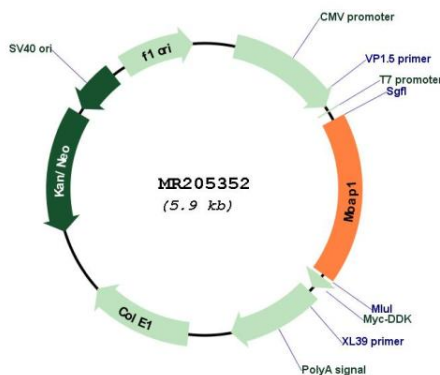
**UniProt ID:** [Q9ERH6](#)

**Cytogenetics:** 12 E

**MW:** 39.4 kDa

**Gene Summary:** Required for death receptor-dependent apoptosis. When associated with RASSF1, promotes BAX conformational change and translocation to mitochondrial membranes in response to TNF and TNFSF10 stimulation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205352