

Product datasheet for **RG202203**

MAP1 (MOAP1) (NM_022151) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MAP1
Synonyms:	MAP-1; PNMA4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202203 representing NM_022151
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTTTGAGGCTTTTGAAGACTGGTGCAGGGGGATGGACATGAACCTCGGAAAGCGCTATTGATTG
CCGGCATCTCCAGAGCTGCAGTGTGGCAGAAATCGAGGAGGCTCTGCAGGCTGGTTTAGCTCCCTTGGG
GGAGTACAGACTGCTTGAAGGATGTTGAGGAGGATGAGAACAGGAAAGTAGCCTTAGTAGGGCTTACT
GCGGAGACTAGTCACGCCCTGGTCCCTAAGGAGATACCGGAAAAAGGGGTATCTGGAGAGTGATCTTTA
AGCCCCCTGACCCAGATAATACATTTTAAAGCAGATTAAATGAATTTTACGGGAGAGGGCATGACAGT
GGGTGAGTTGAGCAGAGCTCTTGGACATGAAATGGCTCCTTAGACCCAGAGCAGGGCATGATCCCGGAA
ATGTGGGCCCTATGTTGGCAGGCATTAGAGGCTCTTCAGCCTGCCCTGCAATGCTTGAAGTAAAAA
AGCTGAGAGTGTCTCGGCAGGGAGTCTCCAGAACAGGAGAAGAAGATTGGACGCTGGATGTTTCA
TACTACTCAGATGATAAAGGCGTGGCAGGTGCCAGATGTAGAGAAGAGAAGGCGATTGCTAGAGAGCCTT
CGAGGCCCAGCACTTGATGTTATTCGTGCTCAAGATAAAACATCCTTAATTACTGTCTGATGAATGTC
TGCAGGCTCTTGAGGAGGTATTTGGGGTTACAGATAATCCTAGGGAGTTGCAGGTCAAATATCTAACCAC
TTACCAAGAGGATGAGGAAAAGTTGTCGGCTTATGTTAAGGCTGGAGCCTTTGTTACAGAAGCTGGTA
CAGAGAGGAGCAATTGAGAGAGATGCTGTGAATCAGGCCCGCTAGACCAAGTCATTGCTGGGGCAGTCC
ACAAAACAATTGCGAGAGAGCTTAATCTGCCAGAGGATGGCCAGCCCTGGTTTCTTGCAGTTATTGGT
ACTAATAAAGGATTATGAGGCAGCTGAGGAGGAGGAGGCCCTTCTCCAGGCAATATTGAAGGTAATTTCC
ACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG202203 representing NM_022151

Red=Cloning site Green=Tags(s)

MTLRLLLEDWCRGMDMNP RKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLLGRMFRDENRKVALVGLT
AETSHALVPKEIPGKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGMTVGELSRALGHENGSLDPEQGMPIE
MWAPMLAQALEALQPALQCLKYKLRVFSGRESPEGEFFGRWMFHTTQMIKAWQVPDVEKRRRLLES
RGPALDVIRVLKINNPLITVDECLQALEEVFGVTDNPRELQVKYLTTYQKDEEKL SAYVLRLEPLLQKL
VQRGAIERDAVNQARLDQVIAGAVHKTI RRELNPEDGPAGFLQLLVLIKDYEAEEEEEEALLQAILEGNF
T

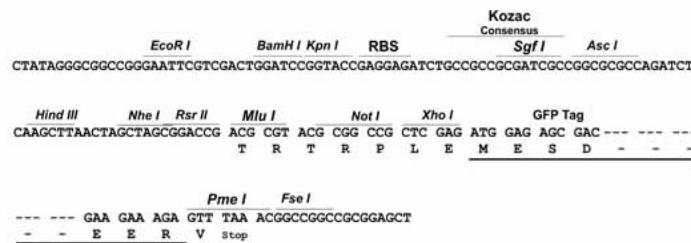
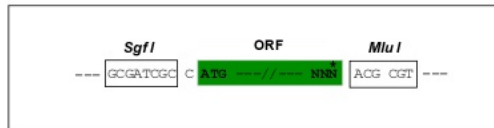
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN:

NM_022151

ORF Size:

1053 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:

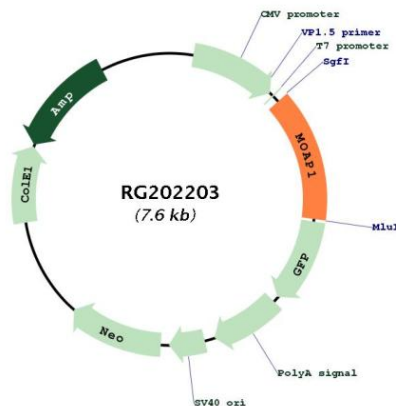
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_022151.5</u>
RefSeq Size:	2435 bp
RefSeq ORF:	1056 bp
Locus ID:	64112
UniProt ID:	<u>Q96BY2</u>
Cytogenetics:	14q32.12
Gene Summary:	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202203