

Product datasheet for **RG203022**

Methionyl Aminopeptidase 1 (METAP1) (NM_015143) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Methionyl Aminopeptidase 1 (METAP1) (NM_015143) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Methionyl Aminopeptidase 1
Synonyms:	MAP1A; MetAP1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203022 representing NM_015143 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGAATCTGAACAGGCTCTTAAAGGTAAGTCTCTCAGATTAAATTACTCTCATCTGAAGATATAGAAG
GGATGCGACTTGTATGTAGGCTTGCTAGAGAAGTTTGGATGTTGCTGCCGGCATGATTAAACAGGTGT
AACTACTGAAGAAATAGATCACGCTGTACACTTAGCATGTATTGCAAGAAATTGCTACCTTCTCCCTG
AATTATTATAATTTCCCAAAGTCTTGTGTACCTCAGTGAATGAAGTCATTTGCCATGGAATACCAGACA
GAAGGCCCTTACAAGAAGGTGACATTGTTAATGTGGATATCACTCTTATCGCAATGGTTATCATGGGGA
CCTGAATGAGACATTTTTTGTGGAGAAGTGGATGATGGAGCACGAACTTGTTGAGACCACATATGAG
TGCTGATGCAAGCCATTGATGCAGTGAAGCCTGGTTCGGTACAGAGAATTGGGAAACATTATCCAGA
AGCATGCCAAGCAAATGGGTTTTTCAGTTGTTGGAAGCTATTGTGGCATGGAATCCACAAGCTTTTTCA
TACAGTCCCAATGTACCCCACTATGCTAAAAATAAGCAGTTGGAGTGATGAAGTCGGGCCATGTATTT
ACAATTGAGCCAATGATTTGTGAAGCGGATGGCAGGATGAACTGGCCAGATGGTTGGACTGCGGTGA
CAAGAGACGGAAGCGGTCTGCTCAGTTTGAGCACACCTCCTGGTCACAGACACTGGCTGTGAAATCCT
AACCCGGCGACTTGACAGTGCACGGCCTCACTTCATGTCTCAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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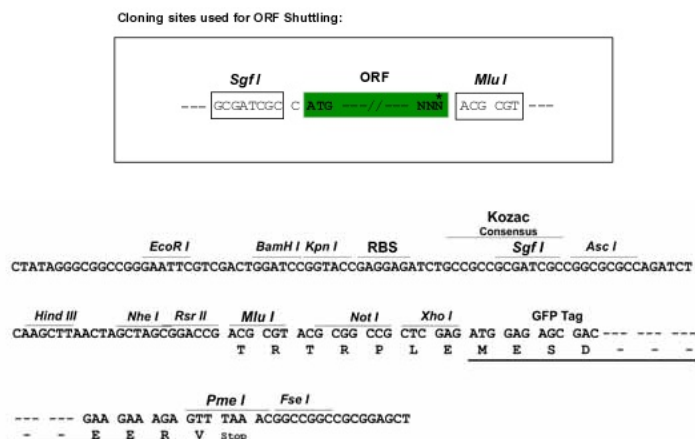
Protein Sequence: >RG203022 representing NM_015143
 Red=Cloning site Green=Tags(s)

MSSEQALKGTSQIKLLSSEIDIEGMRLVCRLAREVLDAAGMIKPGVTTEEIDHAVHLACIARNCPYSP
LNYNFPKSCCTSVNEVICHGIPDRRLQEGDIVNDITLYRNGYHGDLNETFFVGEVDDGARKLVQT
TYECLMQAIDAVKPGVRYRELGNIIQKHAQANGFSVRSYCGHGIHKLFTAPNVPHYAKNKAVG
VMSKGVHTIEPMICEGGWODETWPDGWTAVTRDGKRSAGFHTLLVTDGCEILTRRLDSARPH
FMSSQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 015143

ORF Size: 816 bp

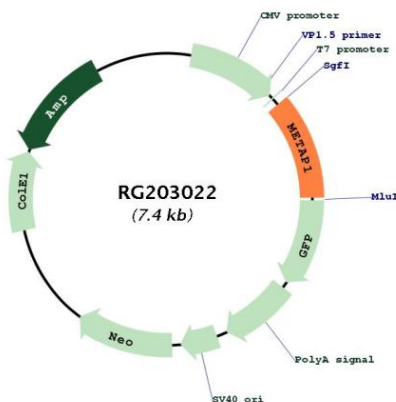
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_015143.1, NP_055958.1</u>
RefSeq Size:	2835 bp
RefSeq ORF:	1161 bp
Locus ID:	23173
UniProt ID:	<u>P53582</u>
Cytogenetics:	4q23
Domains:	Peptidase_M24
Protein Families:	Druggable Genome
Gene Summary:	Cotranslationally removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). Required for normal progression through the cell cycle.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203022