

Product datasheet for **RC236084**

MAGP2 (MFAP5) (NM_001297710) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGP2 (MFAP5) (NM_001297710) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MFAP5
Synonyms: AAT9; MAGP-2; MAGP2; MFAP-5; MP25
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236084 representing NM_001297710
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCGCTTTGGGACCAAGGTGCTGCTGTTTCTTGCTGCATTCATCATCACCTCTGACGATGTGACTC
AAGCGACTCCAGAAACATTCACAGAAGATCCTAATCTGGTGAATGATCCCGCTACAGATGAAACAGTTTT
GGCTGTTTTGGCTGATATTGCACCTCCACAGATGACTTGGAGTCTGGGATGAGAAATTTACCTGCACA
AGGCTCTACTCTGTGCATCGGCCGTTAAACAATGCATTCATCAGTTATGCTTCACCAGTTTACGACGTA
TGTACATCGTCAACAAGGAGATCTGCTCTCGTCTGTCTGTAAGGAACACGAAGCTATGAAAGATGAGCT
TTGCCGTCAGATGGCTGGTCTGCCCCCTAGGAGACTCCGTCGCTCCAATTACTTCCGACTTCTCCCTGT
GAAAATGTGGATTTGCAGAGACCAATGGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236084 representing NM_001297710
Red=Cloning site Green=Tags(s)

MSLLGPKVLLFLAAFIIITSDDVTQATPETFTEDPNLVNDPATDETVLAVLADIAPSTDDLECWDEKFTCT
RLYSVHRPVKQCIHQLCFTSLRRMYIVNKEICSRVCKEHEAMKDELCRQ~~MAGLPPRRLRRS~~NYFRLPPC
ENVDLQRPNGL

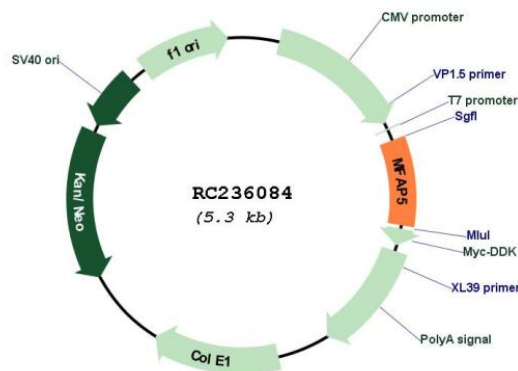
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001297710

ORF Size: 453 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:	<ol style="list-style-type: none">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:	<u>NM_001297710.2</u>
RefSeq Size:	2883 bp
RefSeq ORF:	456 bp
Locus ID:	8076
Cytogenetics:	12p13.31
Protein Families:	Secreted Protein
MW:	17.7 kDa
Gene Summary:	<p>This gene encodes a 25-kD microfibril-associated glycoprotein which is a component of microfibrils of the extracellular matrix. The encoded protein promotes attachment of cells to microfibrils via alpha-V-beta-3 integrin. Deficiency of this gene in mice results in neutropenia. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]</p>