

Product datasheet for **RC236190**

MAGP2 (MFAP5) (NM_001297709) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGP2 (MFAP5) (NM_001297709) 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: >RC236190 representing NM_001297709
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGCGCTTTGGGACCAAGGTGCTGCTTTCTTGCTGCATTCATCATCACCTCTGACTGGATACCCC
TGGGGTCAATAGTCAACGAGGAGACGATGTGACTCAAGCGACTCCAGAAACATTCACAGAAGATCTTAA
TCTGGTGAATGATCCCGCTACAGATGAAACAGTTTTGGCTGTTTTGGCTGATATTGCACCTCCACAGAT
GACTTGGAGTGTGGGATGAGAAATTTACCTGCACAAGGCTCTACTCTGTGCATCGGCCGGTTAAACAAT
GCATTCATCAGTTATGCTTCACCAGTTTACGACGTATGTACATCGTCAACAAGGAGATCTGCTCTCGTCT
TGTCTGTAAGGAACACGAAGCTATGAAAGATGAGCTTTGCCGTGAGATGGCTGGTCTGCCCCCTAGGAGA
CTCCGTCGCTCCAATTACTTCCGACTTCTCCCTGTGAAAATGTGGATTGCAGAGACCAATGGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236190 representing NM_001297709
Red=Cloning site Green=Tags(s)

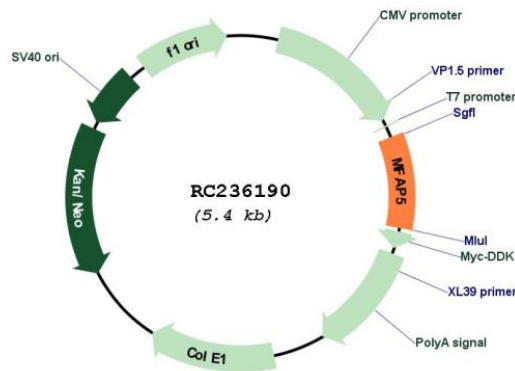
MSLLGPKVLLFLAAFIIITSDWIPLGVNSQRGDDVTQATPETFTEDPNLVNDPATDETVLAVLADIAPSTD
DLECWDEKFTCTRLYSVHRPVKQCIHQLCFTSLRRMYIVNKEICSRVCKEHEAMKDELCRQMAGLPPRR
LRRSNYFRLPPCENVDLQRPNGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001297709

ORF Size: 489 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.

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| 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_001297709.2</u> |
| RefSeq Size: | 2919 bp |
| RefSeq ORF: | 492 bp |
| Locus ID: | 8076 |
| UniProt ID: | <u>Q13361</u> |
| Cytogenetics: | 12p13.31 |
| Protein Families: | Secreted Protein |
| MW: | 19.1 kDa |
| Gene Summary: | 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] |