

Product datasheet for **RG236190**

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: TurboGFP
Symbol: MAGP2
Synonyms: AAT9; MAGP-2; MAGP2; MFAP-5; MP25
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236190 representing NM_001297709.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCGCTCTGGGACCAAGGTGCTGCTGTTTCTTGCTGCATTCATCATCACCTCTGACTGGATACCC
CTGGGGTCAATAGTCAACGAGGAGACGATGTGACTCAAGCGACTCCAGAAACATTCACAGAAGATCCT
AATCTGGTGAATGATCCCGCTACAGATGAAACAGTTTTGGCTGTTTTGGCTGATATTGCACCTCCACA
GATGACTTGGAGTCTGGGATGAGAAATTTACCTGCACAAGGCTCTACTCTGTGCATCGGCCGTTAAA
CAATGCATTCATCAGTTATGCTTACCAGTTTACGACGTATGTACATCGTCAACAAGGAGATCTGCTCT
CGTCTTGTCTGTAAGGAACACGAAGCTATGAAAGATGAGCTTTGCCGTGATGGCTGGTCTGCCCCCT
AGGAGACTCCGTGCTCCAATTACTTCCGACTTCTCCCTGTGAAATGTGGATTTCAGAGACCCAAT
GGTCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236190
Blue=ORF Red=Cloning site Green=Tag(s)

```
MSLLGPKVLLFLAAFIIITSDWIPLGVNSQRGDDVTQATPETFTEDPNLVNDPATDETVLAVLADIAPST
DDLECWDEKFTCTRLYSVHRPVKQCIHQLCFTSLRRMYIVNKEICSRLVCKEHEAMKDELCRQMGALPP
RRLRRSNYFRLPPCENVDLQRPNGL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:


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.

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).

RefSeq: [NM_001297709.2](#)

RefSeq Size: 2919 bp

RefSeq ORF: 492 bp

Locus ID: 8076

UniProt ID: [Q13361](#)

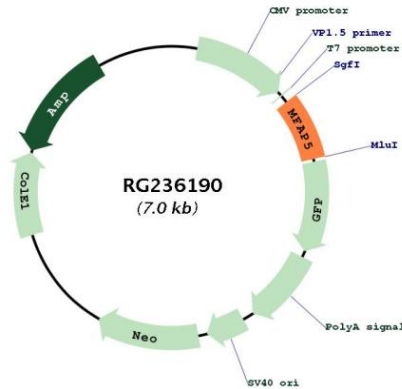
Cytogenetics: 12p13.31

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]

Product images:


Circular map for RG236190