

Product datasheet for **RG236084**

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: 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: >RG236084 representing NM_001297710.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCGCTCTGGGACCAAGGTGCTGCTGTTTCTTGCTGCATTCATCACCTCTGACGATGTGACT
CAAGCGACTCCAGAAACATTCACAGAAGATCCTAATCTGGTGAATGATCCCGCTACAGATGAAACAGTT
TTGGCTGTTTTGGCTGATATTGCACCTCCACAGATGACTTGGAGTGTGGGATGAGAAATTTACCTGC
ACAAGGCTCTACTCTGTGCATCGCCGGTTAAACAATGCATTATCAGTTATGCTTCACCAGTTTACGA
CGTATGTACATCGTCAACAAGGAGATCTGCTCTCGTCTTGTCTGTAAGGAACACGAAGCTATGAAAGAT
GAGCTTTGCCGTCAGATGGCTGGTCTGCCCCCTAGGAGACTCCGTCGCTCCAATTACTCCGACTTCCT
CCCTGTGAAAATGTGGATTTGCAGAGACCAATGGTCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236084
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSLLGPKVLLFLAAFIIITSDVDTQATPETFTEDPNLVNDPATDETVLAVLADIAPSTDDLECWDEKFTC
TRLYSVHRPVKQCIHQLCFTSLRRMYIVNKEICSRVLVCKEHEAMKDELRCRQMAGLPPRRRLRRSNYFRLP
PCENVDLQRPNGL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



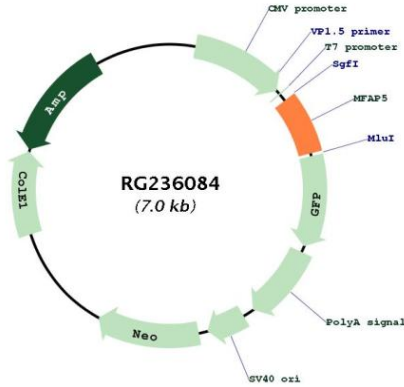
Cloning Scheme:


- 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).
- RefSeq:** [NM_001297710.2](#)
- RefSeq Size:** 2883 bp
- RefSeq ORF:** 456 bp
- Locus ID:** 8076
- Cytogenetics:** 12p13.31
- Protein Families:** Secreted Protein
- MW:** 17.7 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 RG236084