

## Product datasheet for **RG235677**

### **MAGP2 (MFAP5) (NM\_001297712) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGP2 (MFAP5) (NM_001297712) 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:	>RG235677 representing NM_001297712. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCGCTCTGGGACCAAGGTGCTGCTTTCTTGCTGCATTCATCATCACCTCTGACTGGATACCC
CTGGGGTCAATAGTCAACGAGGAGACGATGTGACTCAAGCGACTCCAGAAACATTCACAGAAGATCCT
AATCTGGTGAATGATCCCGCTACAGATGAAACAGTTTTGGCTGTTTTGGCTGATATTGCACCTCCACA
GATGACTTGGATGAGCTTTGCCGTCAGATGGCTGGTCTGCCCCCTAGGAGACTCCGTCGCTCCAATTAC
TCCGACTTCTCCCTGTGAAAATGTGGATTTGCAGAGACCAATGGTCTG
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235677  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MSLLGPKVLLFLAAFIIITSDWIPLGVNSQRGDDVTQATPETFTEDPNLVNDPATDETVLAVLADIAPST
DDLDELCRQMAGLPPRRLRRSNYFRLPPCENVDLQRPNGL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001297712

**ORF Size:** 327 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\\_001297712.2](#)

**RefSeq Size:** 2757 bp

**RefSeq ORF:** 330 bp

**Locus ID:** 8076

**Cytogenetics:** 12p13.31

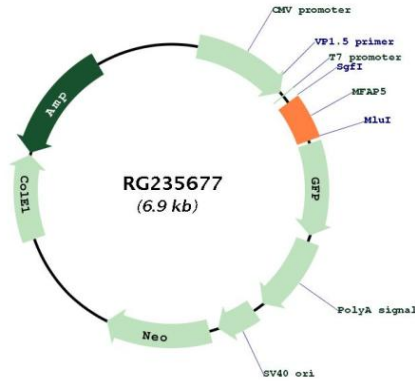
**Protein Families:** Secreted Protein

**MW:** 12.5 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 RG235677