

## Product datasheet for **SC333978**

### MAGP2 (MFAP5) (NM\_001297710) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGP2 (MFAP5) (NM_001297710) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGP2
Synonyms:	AAT9; MAGP-2; MAGP2; MFAP-5; MP25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333978 representing NM_001297710. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTGCGCTCTGGGACCCAAGGTGCTGCTGTTTCTTGCTGCATTCATCATCACCTCTGACGATGTGACT
CAAGCGACTCCAGAAACATTCACAGAAGATCCTAATCTGGTGAATGATCCCGCTACAGATGAAACAGTT
TTGGCTGTTTTGGCTGATATTGCACCTCCACAGATGACTTGGAGTGTGGGATGAGAAATTTACCTGC
ACAAGGCTCTACTCTGTGCATCGCCGGTTAAACAATGCATTATCAGTTATGCTTCACCAGTTTACGA
CGTATGTACATCGTCAACAAGGAGATCTGCTCTCGTCTTGTCTGTAAGGAACACGAAGCTATGAAAGAT
GAGCTTTGCCGTCAGATGGCTGGTCTGCCCCCTAGGAGACTCCGTCGCTCCAATTACTCCGACTTCCT
CCCTGTGAAAATGTGGATTTGCAGAGACCAATGGTCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001297710
Insert Size:	456 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:**

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:** [NM\\_001297710.1](#)

**RefSeq Size:** 2883 bp

**RefSeq ORF:** 456 bp

**Locus ID:** 8076

**Cytogenetics:** 12p13.31

**Protein Families:** Secreted Protein

**MW:** 17.3 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]  
Transcript Variant: This variant (3) lacks two alternate in-frame exons in the coding region compared to variant 1. The encoded isoform (c) is shorter than isoform a.