

## Product datasheet for **SC127462**

### **MAGP2 (MFAP5) (NM\_003480) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAGP2 (MFAP5) (NM_003480) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGP2
Synonyms:	AAT9; MAGP-2; MAGP2; MFAP-5; MP25
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003480, the custom clone sequence may differ by one or more nucleotides

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ATGTCGCTCTTGGGACCCAAGGTGCTGCTGTTTCTTGCTGCATTCATCACCTCTGACTGGATACCCC  
TGGGGTCAATAGTCAACGAGGAGACGATGTGACTCAAGCGACTCCAGAAACATTCACAGAAGATCCTAA  
TCTGGTGAATGATCCCGCTACAGATGAAACAGTTTTGGCTGTTTTGGCTGATATTGCACCTTCCACAGAT  
GACTTGGCCTCCCTCAGTAAAAAATACCACTGCAGAGTGTGGGATGAGAAATTTACCTGCACAAGGC  
TCTACTCTGTGCATCGGCCGTTAAACAATGCATTCATCAGTTATGCTTCACCAGTTTACGACGTATGTA  
CATCGTCAACAAGGAGATCTGCTCTCGTCTGTCTGTAAGGAACACGAAGCTATGAAAGATGAGCTTTGC  
CGTCAGATGGCTGGTCTGCCCCCTAGGAGACTCCGTCGCTCCAATTACTCCGACTTCTCCCTGTGAAA  
ATGTGGATTTGCAGAGACCCAATGGTCTGTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_003480 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGTGGAACACATTCAGCAGCCAA AGGACTCGGTGGAAAGAGCAGAACACCATAGACAATATGTCGCTCTTGGGACCCAAGGTG CTGCTGTTTCTTGCTGCATTCATCATCACCTCTGACTGGATACCCCTGGGGTCAATAGT CAACGAGGAGACGATGTGACTCAAGCGACTCCAGAAACATTCACAGAAGATCCTAATCTG GTGAATGATCCCCTACAGATGAAACAGTTTTGGCTGTTTTGGCTGATATTGCACCTTCC ACAGATGACTTGGCCTCCCTCAGTGAAAAAATACCACTGCAGAGTGCTGGGATGAGAAA TTTACCTGCACAAGGCTCTACTCTGTGCATCGGCCGTTAAACAATGCATTCATCAGTTA TGCTTCACCAGTTTACGACGTATGTACATCGTCAACAAGGAGATCTGCTCTCGTCTTGTC TGTAAGGAACACGAAGCTATGAAAGATGAGCTTGGCCGTCAGATGGCTGGTCTGCCCCCT AGGAGACTCCGTCGCTCCAATTACTTCCGACTTCTCCCTGTGAAAATGTTGGGATTTGC AGAGACCCAATGGTCTGTGATCATTGAAAAAGAGGAAAGAAGAAAAATGTATGGGTGGCA GGAACGGGAGGCTTCCCTCTTCTTCCCCCTTCGCCCGCCCTCCCCGTCGCCGCCCA TCTTCCACCTCTCCTTCTGCCGTGCCACATCTTCCCCCCTCCTCTATTTTATCATCC ACCTCTCGTCTCTCCCTTNTCTCTCTTCCACATCTCTCACTCTCCCGACGCTCC CCCTTCCCCCCTCCTTCTCTCGTCCGCCCCACCCCTTCCCGTCCCGTCCCTTACC CCCTCCTATCGCCTTCTACACCCCCCTCGTCTCTCTCCCCCTCATTCTCCCTC TTATT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003480
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_003480.2</a> , <a href="#">NP_003471.1</a>
<b>RefSeq Size:</b>	2900 bp
<b>RefSeq ORF:</b>	522 bp
<b>Locus ID:</b>	8076
<b>UniProt ID:</b>	<a href="#">Q13361</a>
<b>Cytogenetics:</b>	12p13.31
<b>Protein Families:</b>	Secreted Protein

**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 (1) encodes the longest isoform (a).