

## Product datasheet for **SC118670**

### **MAGP1 (MFAP2) (NM\_002403) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGP1 (MFAP2) (NM_002403) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGP1
Synonyms:	MAGP; MAGP-1; MAGP1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118670 sequence for NM_002403 edited (data generated by NextGen Sequencing) ATGAGAGCTGCCTACCTCTTCTGCTATTCTGCCTGCAGGCTTGCTGGCTCAGGGCCAG TATGACCTGGACCCGCTGCCCGCTTCCCTGACCACGTCCAGTACCCACTATAGCGAC CAGATCGACAACCCAGACTACTATGATTATCAAGAGGTGACTCCTCGGCCCTCCGAGGAA CAGTTCCAGTTCCAGTCCCAGCAGCAAGTCCAACAGGAAGTCATCCAGCCCAACCCCA GAACCAGGAAATGCAGAGCTGGAGCCCACAGAGCCTGGGCCTCTTGACTGCCGTGAGGAA CAGTACCCGTGCACCCGCTCTACTCCATACACAGGCCTTGCAAACAGTGTCTCAACGAG GTCTGCTTCTACAGCCTCCGCCGTGTGTACGTCATTAACAAGGAGATCTGTGTTCTGATA GTGTGTGCCCATGAGGAGCTCCTCCGAGCTGACCTCTGTCGGGACAAGTTCTCCAATGT GGCGTGATGGCCAGCAGCGGCCTGTGCCAATCCGTGGCAGCCTCCTGTGCCAGGAGCTGT GGGAGCTGCTAG  Clone variation with respect to NM_002403.3 519 g=>a



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002403 unedited            ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGCGGACTCGGAGCGGGCGGC            GGAGTGACCCGGACAGCTGTCTCTCTGACACCACCCGGCCTGCCTCTTTGTTGCCATG            AGAGCTGCCTACCTCTTCTCTGCTATTCTGCCTGCAGGCTTGCTGGCTCAGGGCCAGTAT            GACCTGGACCCGCTGCCGCCGTTCCCTGACCACGTCCAGTACACCCACTATAGCGACCAG            ATCGACAACCCAGACTACTATGATTATCAAGAGGTGACTCCTCGGCCCTCCGAGGAACAG            TTCCAGTTCAGTCCCAGCAGCAAGTCCAACAGGAAGTCATCCCAGCCCCAACCCAGAA            CCAGGAAATGCAGAGCTGGAGCCACAGAGCCTGGGCCTTTGACTGCCGTGAGGAACAG            TACCCGTGCACCCGCCTCTACTCCATACACAGGCCTTGCAAACAGTGTCTCAACGAGGTC            TGCTTCTACAGCCTCCGCCGTGTGTACGTCATTAACAAGGAGATCTGTGTTCTGACAGTG            TGTGCCCATGAGGAGCTCCTCCGAGCTGACCTCTGTGGGACAAGTTCTCCAAATGTGGC            GTGATGGCCAGCAGCGGCCTGTGCCAATCCGTGGCAGCCTCCTGTGCCANGAGCTGTGGG            AGCTGCTANGGTGGTGTGGCATCCTGAGTCTGGCCCTCCTGAGATCTGGAGCCCTCG            GCCCTGCCTGACCTGGTCTTTTTACCCATCCCCATGTTCTTTTTATTCTGTAAAGNTA            NTGGACTGCANCCCTGGGNNTGCAGCTGCAGTGCCTCANGCCCTCCTTCANCTGTGNN            CACTCTGGGCACATGGGGCTCCCACTGCCATCTGCCCTCGGNTGNGGATATCCAGCC            TTCTGTGGACTGGCCCTGACGCCTTAGCCGTTNGAGACGAATCCCGAGTAGCTCT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002403 unedited            TGTAACCGCGCCGCACTTCTATAGTCGAGTTTTTCTTTTTTTTTTTGTA AAAA ACTTGTT            TTTAATTTGTATAAAAATAAGGTGGCCATGCCACGGGGGCTGTAGGAAATCCAAGCA            GACCAGCTGGGGTGGGGGATGTAGCCTACCTCGGGGACTGTCTGTCTCAAACGGGC            TGAGAAGGCCCGTCAGGGGCCAGGTCCCACAGAGAGGCTGGGATACTCCCCAACCCG            AGGGGCAGACTGGGCAGTGGGGAGCCCAATTGTGCCCAAGAGGTGGCCACAGGCTGAAG            GAGGGGCTGAGGCACCCGAGCCTGCAACCCCTCAGGGCTGCAGTCCACTAACTTTTTACA            GAATAAAAGGAACATGGGGATGGGGAAAAAGCACCATGTGAGGCAGGGCCCGAGGGCC            CAGATCCCAGGAGGGCCAGGACTCAGGATGCCAGGACCACTCTAGCAGCTTCCACAGCTT            CTGGCACAGGCGGCTGACTCGGATTGGCACAGGCCGCTGCTGGCCATTACGCCACATTTG            GAGAACTGTCCCGACAGAGGCCAGCTCGGAGGAGCTCCTCATGGGCACACACCTGTTCCG            AACACAGATCTGCTTGTAAATGACGTACACACCCGGAGGCCGAGAAGCAGACCTCGCT            GAGACACTGTTTGCAAAGCCTGTGTATGGAGATAAAGGCGTTGCACGGTCTCTGCTCCTT            CGGCAGCTAAGAAGCCTCAGCTCTGTGGCCTACACTTTGCATTACCTGTTTTGGGGTT            GGGCCTGGATGAACTCCTGTTGGACTTGTGCTGGAACCTGGACCGGGACTGTCCCTCGA            GGCCCCAGGAGCCACCCTGACATCCTTACACCCGGCCCGACCACCCGCCACTTTAN            GGTGACCCCGCCTGCACCGAAACGGGGAAAGGGATCAGGAATATTGCCCTGAANCCCA            AGCCGGGGCCGAATATAAGGAAAGTCTGCCCTN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002403
<b>Insert Size:</b>	1090 bp
<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).

**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\\_002403.2](#), [NP\\_002394.1](#)

**RefSeq Size:** 1066 bp

**RefSeq ORF:** 552 bp

**Locus ID:** 4237

**UniProt ID:** [P55001](#)

**Cytogenetics:** 1p36.13

**Protein Families:** Secreted Protein

**Gene Summary:** Microfibrillar-associated protein 2 is a major antigen of elastin-associated microfibrils and a candidate for involvement in the etiology of inherited connective tissue diseases. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]

Transcript Variant: This variant (2) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode isoform a.