

Product datasheet for **RC203242**

MAGP2 (MFAP5) (NM_003480) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGP2 (MFAP5) (NM_003480) Human Tagged ORF Clone
Tag: Myc-DDK
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)
ORF Nucleotide Sequence: >RC203242 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTCTGGGACCAAGGTGCTGCTTTCTTGCTGCATTCATCATCACCTCTGACTGGATACCCC
TGGGGTCAATAGTCAACGAGGAGACGATGTGACTCAAGCGACTCCAGAAACATTCACAGAAGATCCTAA
TCTGGTGAATGATCCCGCTACAGATGAAACAGTTTGGCTGTTTGGCTGATATTGCACCTCCACAGAT
GACTTGGCCTCCCTCAGTAAAAAATACCACTGCAGAGTCTGGGATGAGAAATTTACGACACAAGGC
TCTACTCTGTGCATCGGCCGTTAAACAATGCATTCATCAGTTATGCTTACCAGTTTACGACGTATGTA
CATCGTCAACAAGGAGATCTGCTCTCGTCTGTCTGTAAGGAACACGAAGCTATGAAAGATGAGCTTTGC
CGTCAGATGGCTGGTCTGCCCCCTAGGAGACTCCGTCGCTCCAATTACTCCGACTTCTCCCTGTGAAA
ATGTGGATTTGCAGAGACCAATGGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203242 protein sequence
Red=Cloning site Green=Tags(s)

MSLLGPKVLLFLAAFIIITSDWIPLGVNSQRGDDVTQATPETFTEDPNLVNDPATDETVLAVLADIAPSTD
DLASLSEKNTTAECDWEKFTCTRLYSVHRPVKQCIHQLCFTSLRRMYIVNKEICSRLVCKEHEAMKDEL
C
RQ
MAGLPPRRLRRSNYFRLPPCENVDLQRPNGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6145_g01.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003480

ORF Size: 519 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).

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_003480.4](#)

RefSeq Size: 2949 bp

RefSeq ORF: 522 bp

Locus ID: 8076

UniProt ID: [Q13361](#)

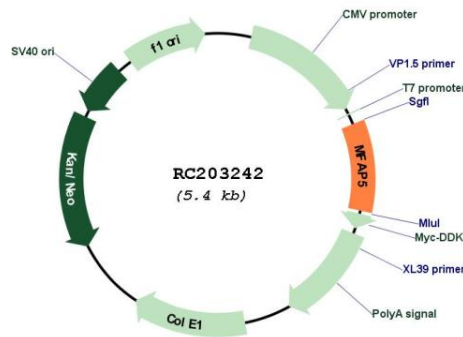
Cytogenetics: 12p13.31

Protein Families: Secreted Protein

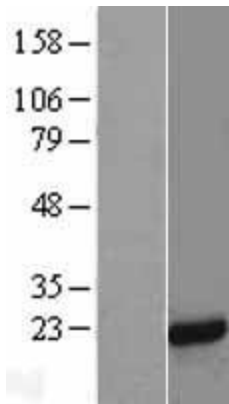
MW: 19.6 kDa

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]

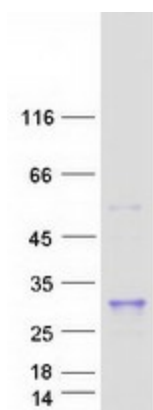
Product images:



Circular map for RC203242



Western blot validation of overexpression lysate (Cat# [LY401177]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203242 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MFAP5 protein (Cat# [TP303242]). The protein was produced from HEK293T cells transfected with MFAP5 cDNA clone (Cat# RC203242) using MegaTran 2.0 (Cat# [TT210002]).