

Product datasheet for **RG225196**

MAGP1 (MFAP2) (NM_001135247) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGP1 (MFAP2) (NM_001135247) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MFAP2
Synonyms: MAGP; MAGP-1; MAGP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225196 representing NM_001135247
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGCTGCCTACCTCTTCTGCTATTCTGCCTGGCTTGCTGGCTCAGGGCCAGTATGACCTGGACC
CGCTGCCGCCGTTCCCTGACCACGTCCAGTACACCCACTATAGCGACCAGATCGACAACCCAGACTACTA
TGATTATCAAGAGGTGACTCCTCGGCCCTCCGAGGAACAGTTCAGTTCAGTCCAGCAGCAAGTCCAA
CAGGAAGTCATCCAGCCCCAACCCAGAACAGAAATGCAGAGCTGGAGCCACAGAGCCTGGGCCTC
TTGACTGCCGTGAGGAACAGTACCGTGCACCCGCTCTACTCCATACACAGGCCTGCAACAGTGTCT
CAACGAGGTCTGCTTCTACAGCCTCCGCCGTGTGTACGTATTAAACAAGGAGATCTGTGTTTCGTACAGT
TGTGCCCATGAGGAGCTCCTCCGAGCTGACCTCTGTCGGGACAAGTTCTCCAAATGTGGCGTGATGGCCA
GCAGCGCCTGTGCCAATCCGTGGCGCCTCCTGTGCCAGGAGCTGTGGGAGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225196 representing NM_001135247
Red=Cloning site Green=Tags(s)

MRAAYLFLFLPGLLAQQQYDLDPFPFDPHVQYTHYSQIDNPDYDYQEVTPRPSEEQFQFSQQQVQ
QEVIPAPTPEPGNAELEPTEPGPLDCREEQYPCTRLYSIHRPCKQCLNEVCFYSLRRVYVYINKEICVRTV
CAHEELLRADLCRDKFSKCGVMASGLCQSVAASCARSCGSC

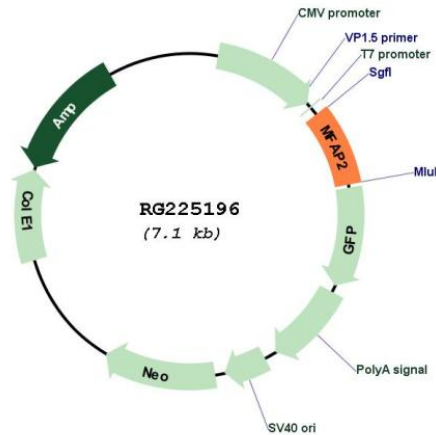
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001135247

ORF Size: 546 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:	<ol style="list-style-type: none">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:	<u>NM_001135247.1, NP_001128719.1</u>
RefSeq Size:	1102 bp
RefSeq ORF:	549 bp
Locus ID:	4237
UniProt ID:	<u>P55001</u>
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]