

Product datasheet for **RG204656**

MFAP3 (NM_005927) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFAP3 (NM_005927) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MFAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204656 representing NM_005927 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTACATTGTTGCTTATTCACCTTAGTGGCAAGTATTATTGTGCCAGCTGCTTTTGTGGAAAG
ATGTGGACTTCGACCAAATGGTTTCACTGGAAGCAAATCGTAGTTCTTACAATGCATCCTTTCCCTCAAG
CTTTGAACTCTCAGCAAGTCCCACTCGGATGATGACGTCATCATAGCCAAAGAGGGAAGTAGCGTTTCA
ATTGAGTGTCTTCTCACAGCCAGTCACTATGAAGATGTCCATTGGCACAATTCAAAGGACAGCAACTGG
ATGGCAGAAGCAGAGGTGAAAGTGGTTGGTTTCTGATAACTTCTAAACATCACCAATGTAGCTTTTGA
TGACCGTGGGCTCTATACCTGTTTCGTACCTCTCCAATTCGTGCCTCCTACTCTGTACCCCTACGTGTT
ATCTTCACCTCGGGAGACATGAGTGTCTATTACATGATTGTTTGCCTGATTGCCTTTACAATCACACTCA
TCTTGAATGTCACACGGCTGTGCATGATGAGCAGCCATCTTCGCAAGACTGAGAAGGCCATCAATGAGTT
CTTTAGAAGTGAAGGGCTGAGAACTTCAGAAGGCCTTTGAGATTGCAAAACGTATCCCATCATTACC
TCAGCCAAAACCTGGAGCTCGCCAAAGTCACACAATTTAAGACCATGGAGTTTGCTCGTTATATTGAAG
AACTGGCAAGAAGTGTCCCTCTCCACCTTTATTCTAACTGTCGAGCCTTTGTTGAGGAGATGTTTGA
GGCTGTGCGAGTGGATGACCCTGATGACCTGGGTGAAAGAATTAAGAGAGACCTGCCTTGAATGCCTCA
GGTGGCATCTATGTCATTAACCCAGAGATGGGACGGAGTAATTCACCAGGAGGAGATTGAGATGATGGCT
CTCTGAATGAACAAGGCCAGGAAATAGCAGTTCCAGGTTTCTGTCCACCTTCAGTCAGAAACCAAAGTAT
TGATACAGAGTCTCAAGGCAGCAGTCAATTCAGTCCACCTGATGATATAGGATCTGCAGAATCTAACTGT
AACTACAAAGATGGGGCATATGAAAACCTGCAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204656 representing NM_005927
Red=Cloning site Green=Tags(s)

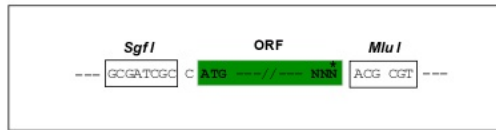
MKLVHCLFTLVASIIIVPAAFVLEDVDFDQMVSLANRSSYNASFPSSFELSSASSHSDDDVIAKEGTSVS
 IECLLTASHYEDVHWHNSKGQQLDGRSRGGKWLVDNFLNITNVAFDDRGLYTCFVTSPIRASYSVTLRV
 IFTSGDMSVYYMIVCLIAFTITLILNVTRLMMSSHLRKEKAINEFFRTEGAELQKAFEIAKRIPIT
 SAKTLELAKVTQFKTMEFARYIEELARSVPLPPLILNCRAFVEEMFEAVRVDDPDDLGERIKERPALNAQ
 GGIYVINPEMGRSNSPGGSDDGSLNEQQEIAVQVSVHLQSETKSIDTESQSSHFSPDDIGSAESNC
 NYKDGAYENCQL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_005927

ORF Size: 1086 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_005927.3](#), [NP_005918.1](#)

RefSeq Size: 2914 bp

RefSeq ORF: 1089 bp

Locus ID: 4238

UniProt ID: [P55082](#)

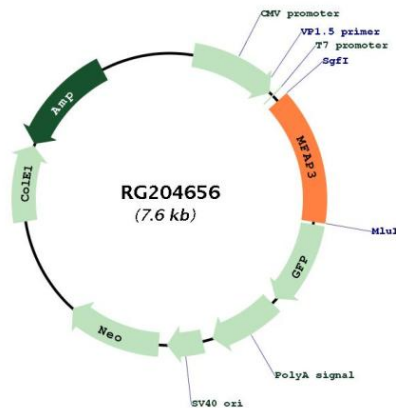
Cytogenetics: 5q33.2

Domains: ig, IGC2, IG

Protein Families: Transmembrane

Gene Summary: Component of the elastin-associated microfibrils.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204656