

## Product datasheet for MR229415

### Mfap3 (NM\_180599) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mfap3 (NM_180599) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mfap3
Synonyms:	2610509F16Rik; 2700079M14Rik; AW536327
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229415 representing NM_180599 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTGCATCACTGCCTGTCCATCTTACTGGTGGTCACTCTTGTGCCAGCTGCTCTGGGTTTGAAG  
ATGTGGCTCCACTGGGAGCGAATCAAAGTTCTTACAATGCATCATTTCTCCAAGCTTTGAACTCTCAGC  
AGGTTCTACTCAGGTGATGATGCATTATAGTCAAAGAGGGAACAAATGTTTCATTGGAGTGTCTTCTC  
ACGGTGGATCAGTATGGAGAAGTCCACTGGTACAACCAAAGGACAGCAGCTGCACAGCAGAGGTGGAA  
AATGGTTGGTTTCTGATAACTTCTAAATATCACCAGCGTAGCCTTTGATGACCGTGGGCTCTATACATG  
TATCATCACTTCTCCAGCTCGTGCCTCCTACTCGTCCCTCCGTGTGATCTTACCTCTGGAGACATG  
AGTGTCTACTATATGGTTGTCTGCCTGATCGCCTTCACAATCACACTCATCCTGAACGCTACTCGGCTGT  
GCCTGATGAGCACCCACCTCCGCAAGACTGAGAAGGCCATCAATGAGTTCTTCCAGACCGAGGGGCTGA  
GAAACTCCAGAAGGCCTTTGAGATTGCCAAGCGCATCCCCATCATCACCTCAGCCAAAACCTCGAGCTG  
GCCAAGGTCACACAGTTTAAGACCATGGAGTTTGCCCGATATATTGAGGAACTGGCCAGAAGTGTCCCTC  
TCCCGCCCTTATTCTGAACTGCCGGCCCTTTGTTGAGGAAATGTTTGAAGCTGTCCGAGTGGATGACCC  
TGATGACATGGGAGAGAGAATTAAGAGAGACCTGCTTTGGACGCTCAAAGTGGCATCTATGTGATTAAC  
CCAGAGCTAGGCCGAAGCAACTCTCTGGTGGAGATTGAGATGATGTTTCTTAAGCGAGCAAGGGCAGG  
AGATAGCAGTACAGGTGTCTGTCCACCTTCAGTCAGAGACCAAAGCATTGGGACAGATTCTCAAGACAG  
TAGTCATTTAGCCACCCAGTGACCCTGCATCTGCAGAGGGCAGCATTACCACAGAGTGAGCATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229415 representing NM\_180599  
Red=Cloning site Green=Tags(s)

MKLHHCLSILLVVTLVPAALGLEDVAPLGANQSSYNASFLPSFELSAGSYSGDDVIVKEGTNVSLECLL  
 TVDQYGEVHWYNSKGQQLHSRGGKWLVSDNFLNITSVAFDDRGLYTCIITSPARASYSVTLRVIFTSGDM  
 SVYYMVVCLIAFTITLILNVTRLCLMSTHLRKEKAINIEFFRTEGAELQKAFEIAKRIPITSAKTLEL  
 AKVTQFKTMEFARYIEELARSVLPLPLILNCRAFVEEMFEAVRVDDPDDMGERIKERPALDAQSGIYVIN  
 PELGRSNPPGGSDDDGSLSEQQEIAVQVSVHLQSETKSIGTDSQDSSHFSPPSDPASAEGSIHHRVSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_180599

**ORF Size:** 1047 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\\_180599.1](#), [NP\\_850930.1](#)

**RefSeq Size:** 4828 bp

**RefSeq ORF:** 1050 bp

**Locus ID:** 216760

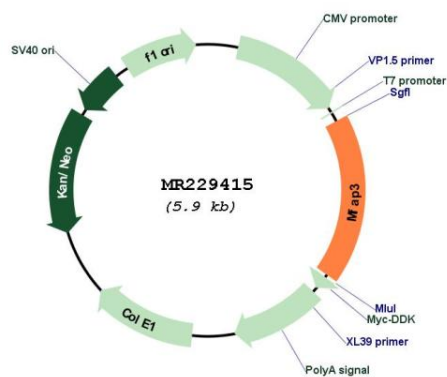
**UniProt ID:** [Q922T2](#)

**Cytogenetics:** 11 B1.3

**MW:** 38.3 kDa

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

### Product images:



Circular map for MR229415