

## Product datasheet for MR203326

### Mfap4 (NM\_029568) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mfap4 (NM_029568) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mfap4
Synonyms:	1110007F23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203326 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGCCCTCCAGCCCTGCCACTGATGCTGATGCTGCTCTCCATGCCTCCCCCTGCGCCCCGCAAG  
CCTCTGGGATCCGGGAGATGCTCTGGAGAAGTCTGTCTTCAGCAACCCCTGGACTGTGATGATATCTA  
CGCCAGGGCTATCAGGAAGACGGCGTGTATCTCATCTACCCCTATGGCCCCAGTGTGCCGGTGCCCGTC  
TTCTGCGACATGACAACAGGGCGCAAGTGGACGGTTTTCCAGAAAAGATTCAACGGCTCAGTGAGTT  
TCTTCCGGGGCTGGAGCGACTACAAGCTGGGCTTTGGCCGTGCTGACGGGGAGTACTGGCTGGGGCTGCA  
GAACCTGCACCTCCTGACTGAAGCAGAAGTATGAGCTGCGCGTGGACTTGGAAGACTTTGAGAACAAC  
ACAGCCTATGCCAAGTACATTGACTTCTCCATCTCCCCAACGCCATCAGTGCTGAGGAGGATGGCTATA  
CCCTCTACGTGGCTGGCTTCGAGGATGGCGGGCAGGTGACTCACTGTCTACCACAGTGCCAGAAAGTT  
CTCCACCTTTGATCGGGACCAGGACCTCTCGTGCAAGTGTGACAGCCCTCTCCTCAGGAGCCTTCTGG  
TTCCGAAGCTGCCATTTGCGCAATCTCAACGGTTTCTACCTGGGTGGTCCCATCTCTCCTATGCCAATG  
GCATCAATTGGGCCAATGAAAAGGTTCTATTACTCCCTCAAGCGCACGGAGATGAAAATTCGTCGGGC  
C

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203326 protein sequence  
Red=Cloning site Green=Tags(s)

MKALPALPLMLMLLSPPPCAPQASGIRGDALEKSC LQQPLDCDDIYAQGYQEDGVYLIYPYGPSVPVPV  
 FCDMTTEGGKWTVFQKRFNGSVSFFRGSWDYKLGFGRADGEYWLGLQNLHLLTLKQKYELRVDLEDFENN  
 TAYAKYIDFSISPNAISAEEDGYTLVAGFEDGGAGDSL SYHSGQKFSTFDRDQDLFVNCAALSSGAFW  
 FRSCHFANLNGFYLGSHLSYANGINWAQWKG FYYS LKRTEMKIRRA

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\_029568

**ORF Size:** 774 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\\_029568.3](#)

**RefSeq Size:** 1513 bp

**RefSeq ORF:** 774 bp

**Locus ID:** 76293

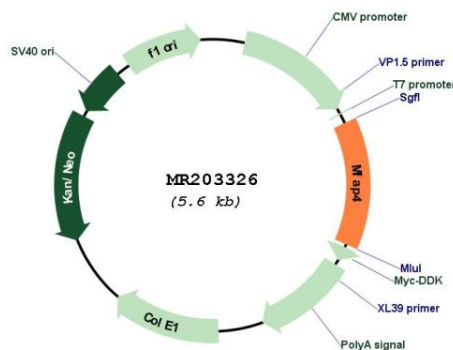
**UniProt ID:** [Q9D1H9](#)

**Cytogenetics:** 11 37.96 cM

**MW:** 28.9 kDa

**Gene Summary:** Could be involved in calcium-dependent cell adhesion or intercellular interactions. May contribute to the elastic fiber assembly and/or maintenance.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203326