

Product datasheet for MR201311

Mfap5 (NM_015776) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mfap5 (NM_015776) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mfap5
Synonyms: MAGP-2; MFAP-5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201311 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTTCTTGGGGCAGAAGGCCTTGCTGCTTGTCTTGGCAGTCAGCATCCCCTCTGACTGGCTACCCC
 TAGGGGTCAAGTCAACGTGGAGATGATGTGCCTGAGACATTCACAGACGCCCTAATCTGGTGAACGA
 TCCCTCTACAGACGATACAGCTCTGGCTGATATCACACCTCCACGGACGACCTAGCTGATGACAAAAAT
 GCTACTGCAGAGTGCCGGGATGAGAAGTTGCTTGTACAAGACTGTACTCTGTCCATCGGCCAGTCAGAC
 AGTGTGTGCACCAGTCTGCTTACCAGTTTACGGCGCATGTACATCATCAATAATGAGATCTGTTCCCG
 ACTCGTCTGTAAGAACATGAAGCTATGAAAGATGAGCTTGGCCGCGAGATGGCAGGCCTGCCTCCAAGG
 CGACTCCGGCGCTCCAACACTCTCCGACTTCTCCCTGTGAAAATATGAATTTGCAGAGACCCGATGGTC
 TG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201311 protein sequence
 Red=Cloning site Green=Tags(s)

MLFLGQKALLLVAVSIPSDWLPLGVSGQRGDDVPETFTDDPNLVNDPSTDDTALADITPSTDDLADKKN
 ATAECRDEKFACTRLYSVHRPVRQCVHQSCFTSLRRMYIINNEICSRLVCKEHEAMKDELCRQMGALPPR
 RLRRSNYFRLPPCENMNLQRPDGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_015776

ORF Size: 495 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_015776.1](#), [NM_015776.2](#), [NP_056591.1](#)

RefSeq Size: 1413 bp

RefSeq ORF: 495 bp

Locus ID: 50530

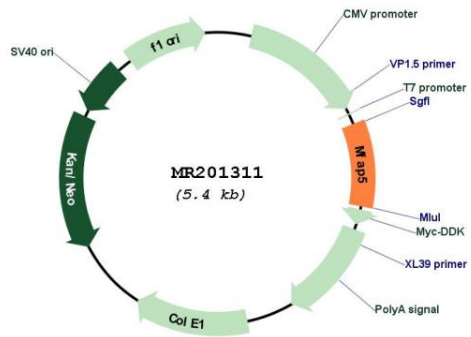
UniProt ID: [Q9QZJ6](#)

Cytogenetics: 6 F1

MW: 18.6 kDa

Gene Summary: May play a role in hematopoiesis. In the cardiovascular system, could regulate growth factors or participate in cell signaling in maintaining large vessel integrity (PubMed:23963447). Component of the elastin-associated microfibrils (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201311