

Product datasheet for RC208999

MFAP4 (NM_002404) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MFAP4 (NM_002404) Human Tagged ORF Clone

Tag:Myc-DDKSymbol:MFAP4

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC208999 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAAGGCACTCCTGGCCCTGCCGCTGCTGCTTCTTCTCCACGCCCCCGTGTGCCCCCCAGGTCTCCG
GGATCCGAGGAGATGCTCTGGAGAGGGTTTTGCCTTCAGCAACCCCTGGACTGTGACGACATCTATGCCCA
GGGCTACCAGTCAGACGGCGTGTACCTCATCTACCCCTCGGGCCCCAGTGTGCCCTGTGCCCGTCTTCTGT
GACATGACCACCGAGGGCGGGAAGTGGACGGTTTTCCAGAAGAGATTCAATGGCTCAGTAAGTTTCTTCC
GCGGCTGGAATGACTACAAGCTGGGCTTCGGCCGTGCTGATGGAGGACTTTGAGGACCACCTCCAGAACAAT
GCACCTCCTGACACTGAAGCAGAAGTATGAGCTGCGAGTGGACTTTGAGGAGCTTTTGAGAACAACACGGCC
TATGCCAAGTACGCTGACTTCTCCATCTCCCCGAACGCGTCAGCGAGAGGAGGATGGCTACACCCTCT
TTGTGGCAGGCTTTGAGGATGGCGGGGTAGGTGACTCCCTGTCCTACCACAGTGGCCAGAAGTTCTCTAC
CTTCGACCGGGACCAGGACCTCTTTTGTGCAGAACTGCGCAGCTCTTCTCCTCAGGAGCCTTCTGGTTCCGC
AGCTGCCACTTTGCCAACCTCAATGGCTTCTACCTAGGTGGCTCCCACCTCTTTATGCCAATGGCATCA
ACTGGGCCCAGTGGAAGGGCTTCTACTACTCCCTCAAACGCACTGAGATGAAAATCCGCCGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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MFAP4 (NM_002404) Human Tagged ORF Clone - RC208999

Protein Sequence: >RC208999 protein sequence

Red=Cloning site Green=Tags(s)

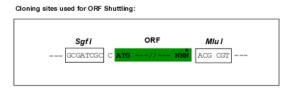
MKALLALPLLLLLSTPPCAPQVSGIRGDALERFCLQQPLDCDDIYAQGYQSDGVYLIYPSGPSVPVPVFC DMTTEGGKWTVFQKRFNGSVSFFRGWNDYKLGFGRADGEYWLGLQNMHLLTLKQKYELRVDLEDFENNTA YAKYADFSISPNAVSAEEDGYTLFVAGFEDGGVGDSLSYHSGQKFSTFDRDQDLFVQNCAALSSGAFWFR SCHFANLNGFYLGGSHLSYANGINWAQWKGFYYSLKRTEMKIRRA

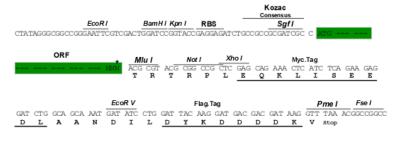
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6360 f03.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_002404

ORF Size: 765 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: <u>NM 002404.3</u>

 RefSeq Size:
 1869 bp

 RefSeq ORF:
 768 bp

 Locus ID:
 4239

 UniProt ID:
 P55083

 Cytogenetics:
 17p11.2

Protein Families: Druggable Genome, Secreted Protein

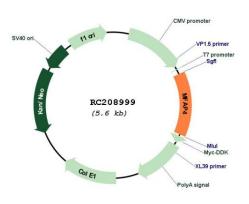
MW: 28.7 kDa

Gene Summary: This gene encodes a protein with similarity to a bovine microfibril-associated protein. The

protein has binding specificities for both collagen and carbohydrate. It is thought to be an extracellular matrix protein which is involved in cell adhesion or intercellular interactions. The gene is located within the Smith-Magenis syndrome region. Two transcript variants encoding

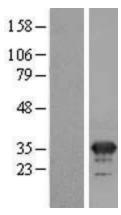
different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

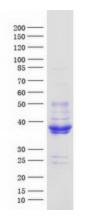
Product images:



Circular map for RC208999







Western blot validation of overexpression lysate (Cat# [LY419346]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208999 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified MFAP4 protein (Cat# [TP308999]). The protein was produced from HEK293T cells transfected with MFAP4 cDNA clone (Cat# RC208999) using MegaTran 2.0 (Cat# [TT210002]).