

## **Product datasheet for RC231122**

## MFAP4 (NM 001198695) Human Tagged ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** MFAP4 (NM\_001198695) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: MFAP4

Mammalian Cell Neomycin

Selection:

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

ORF Nucleotide >RC231122 representing NM\_001198695
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA** 



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Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com Protein Sequence: >RC231122 representing NM\_001198695

Red=Cloning site Green=Tags(s)

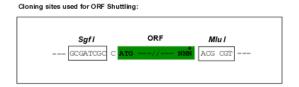
MGELSPLQRPLATEGTMKAQGVLLKLALLALPLLLLLSTPPCAPQVSGIRGDALERFCLQQPLDCDDIYA QGYQSDGVYLIYPSGPSVPVPVFCDMTTEGGKWTVFQKRFNGSVSFFRGWNDYKLGFGRADGEYWLGLQN MHLLTLKQKYELRVDLEDFENNTAYAKYADFSISPNAVSAEEDGYTLFVAGFEDGGAGDSLSYHSGQKFS TFDRDQDLFVQNCAALSSGAFWFRSCHFANLNGFYLGGSHLSYANGINWAQWKGFYYSLKRTEMKIRRA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk8049">https://cdn.origene.com/chromatograms/mk8049</a> a04.zip

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



TATAGGGGGGCCG	EcoR GGAAT1	_	GACT	Bami GGAT			RB		- CTG0	Co	ozac nsensi Sg GCGA	ıs f I	cc	TG -		-
ORF		MNN	ACC T	llu I G CGT R	ACC T	No G CGC R		_	hol GAG	CAG Q	AAA K	-	Tag ATC	TCA S	GAA E	gag E
AT CTG GCA GC	A AAT	GAT	ATC	CTG L	GAT D		Flag.1 AAG K	-	GAC D	GAC D	GAT D	AAG K	GTT	TAA	F. ACGG	se I

<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001198695

ORF Size: 837 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 001198695.2

RefSeq ORF: 840 bp Locus ID: 4239 UniProt ID: P55083

Cytogenetics: 17p11.2

**Protein Families:** Druggable Genome, Secreted Protein

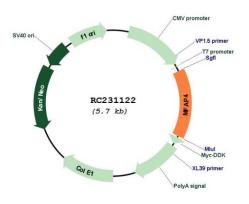
**MW:** 31.6 kDa

**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

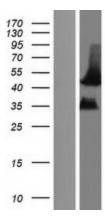
different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

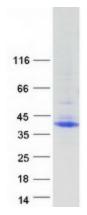
## **Product images:**



Circular map for RC231122







Western blot validation of overexpression lysate (Cat# [LY434121]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231122 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified MFAP4 protein (Cat# [TP331122]). The protein was produced from HEK293T cells transfected with MFAP4 cDNA clone (Cat# RC231122) using MegaTran 2.0 (Cat# [TT210002]).