

Product datasheet for RC215577

MFAP3L (NM_021647) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFAP3L (NM_021647) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MFAP3L
Synonyms:	NYD-sp9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215577 representing NM_021647. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGATCGATTGAAGAGCCATCTGACTGTGTGCTTTCTACCTTCTGTGCCCTTTTAAATCCTAGTATCC
 ACTCTAGCCACCGCTAAGAGTGTGACTAACAGCACTTTAAATGGCACTAACGTGGTCTTGGGCTCTGTG
 CCCGTAATCATTGCCAGAACTGACCATATCATAGTCAAGGAAGGAACAGTGCCTTGATTAAGTGTAGT
 GTTTATGGCATCCCTGACCCACAGTTCAAGTGGTATAATTCCATTGGCAAGCTGCTGAAAGAAGAAGAG
 GATGAGAAGGAGAGAGGAGGAGGAAAAATGGCAATGCACGACAGCGGCCTCCTGAACATCACCAAGGTA
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 GGCCAGGAGGCCGAGACAGGGATGAGGTCTACACAATCCCCAACTCTCTGAAGCGGAGCGACTCCCT
 GCCGCTGACTCGGACGCCTCATCGCTGCAGGCAACCTCAGCAAATTGCCATCAAGGTGCAGTTCAC
 CCGCAGTCCAAAAAAGCATGCAGATGACCAAGAGGGTGGACAGTTTGAAGTCAAAGATGTAGAGGAG
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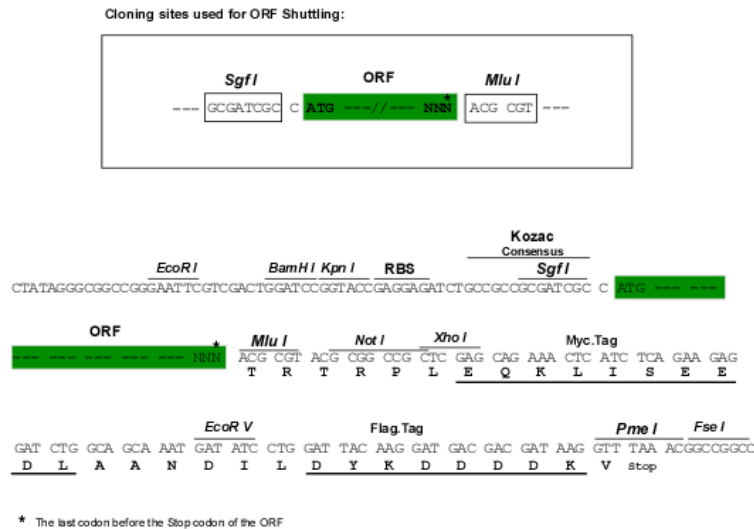
Protein Sequence: >Peptide sequence encoded by RC215577
 Blue=ORF Red=Cloning site Green=Tag(s)

MDRLKSHLTVCFLPSVPFLILVSTLATAKSVTNSTLNGTNVVLGSPVVIARTDHIIVKEGNSALINCS
 VYGIPDPQFKWNSIGKLLKEEEDKERGGGWQMHDSGLLNITKVSFSDRGKYTCVASNIYGTVNNTV
 TLRVIFTSGDMGVYVMVCLVAFTIVMLNITRLCMSSHLKKTEKAINEFFRTEGAELQKAFEIAKR
 IPIITSAKTLELAKVTQFKTMEFARYIEELARSVPLPPLIMNCRTIMEEIMEVVGLEEQGNFVRHTPE
 GQEAADRDEVYTIIPNSLKRSDSPAADSDASSLHEQPQQIAIKVSVHPQSKKEHADDQEGGQFEVKDVEE
 TELSAHSPETAEPSTDVTSTELTSEEPTVEVPDKVLPAYLEATEPAVTHDKNTCIIYESHV
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8010_f06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021647

ORF Size: 1227 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021647.8](#)

RefSeq Size: 1345 bp

RefSeq ORF: 1230 bp

Locus ID: 9848

UniProt ID: [O75121](#)

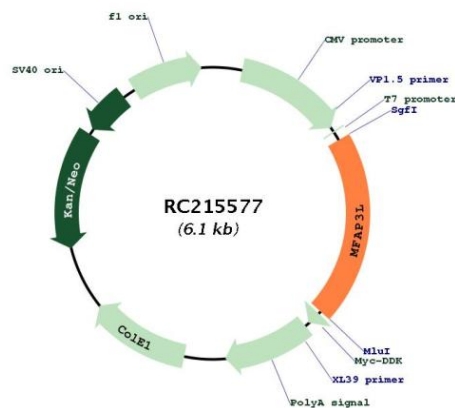
Cytogenetics: 4q33

Protein Families: Transmembrane

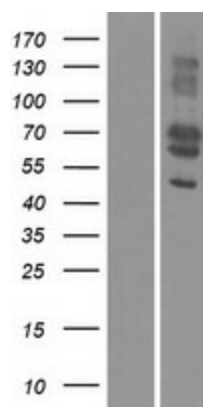
MW: 45.4 kDa

Gene Summary: May participate in the nuclear signaling of EGFR and MAPK1/ERK2. May a have a role in metastasis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC215577



Western blot validation of overexpression lysate (Cat# [LY411936]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215577 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).