

Product datasheet for **RG209739**

MFAP3L (NM_001009554) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MFAP3L (NM_001009554) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MFAP3L
Synonyms: NYD-sp9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209739 representing NM_001009554
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACGACAGCGCCTCCTGAACATCACCAAGGTATCCTTCTCAGACCGAGGTAATACACGTGTGTGG
CTTCTAACATCTACGGCACCGTGAACAACCGGTGACCTTGC GCGTCATCTTCACTTCTGGAGACATGGG
TGTCTACTACATGGTCGTGTGCCTGGTGGCCTTACCATCGTCATGGTCCTCAATATCACCCGCTGTGC
ATGATGAGCAGCCATCTAAAGAAGACTGAGAAGGCCATCAATGAGTTCTTTAGGACCGAAGGTGCAGAGA
AGCTGCAGAAGGCATTTGAGATCGCCAAGCGCATCCCCATCATCACCTCCGCCAAAACCTAGAGCTTGC
CAAAGTCACCAGTTCAAACCATGGAGTTCGCCCGCTACATCGAAGAGCTTGCCAGGAGCGTGCCTCTG
CCGCTCTCATTATGAACTGCAGGACTATCATGGAGGAGATTATGGAGGTGGTTGGGCTGGAGGAGCAGG
GGCAGAATTTTGTGAGGCATACTCCAGAGGGCCAGGAGGCCGAGACAGGGATGAGGTCTACACAATCCC
CAACTCTCTGAAGCGGAGCGACTCCCCTGCCGCTGACTCGGACGCCTCATCGCTGCACGAGCAACCTCAG
CAAATTGCCATCAAGGTGTCAAGTTCACCCGAGTCCAAAAAGAGCATGCAGATGACCAAGAGGGTGGAC
AGTTTGAAGTCAAAGATGTAGAGGAGACAGAAGTGTGGCGGAACATTCCCCGAACTGCAGAACCTTC
TACCGATGTCACGTCCACCGAGCTAACATCTGAAGAGCCAACACCTGTTGAGGTACCAGATAAGGTACTG
CCGCCAGCTTACCTGGAAGCCACAGAGCCAGCAGTGACACATGACAAAAACACCTGCATTATTTACGAAA
GCCATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209739 representing NM_001009554
 Red=Cloning site Green=Tags(s)

MHDSGLLNITKVSFSDRGKYTCVASNIYGTVNNTVTLRVIFTSGDMGVVYVCLVAVFTIVMVLNITRLC
 MMSSHLKKTEKAINEFFRTEGAELQKAFEIAKRIPITSAKTLELAKVTQFKTMEFARYIEELARSVPL
 PPLIMNCRTIMEEIMEVVGLEEQGNFVRHTPEGQEAADRDEVYIPNSLKRSDSPAADSDASSLHEQPQ
 QIAIKVSVHPQSKKEHADDQEGGFVFKDVEETELSAEHPETAEPSTDVTSTELTSEETPVEVPDKVL
 PPAYLEATEPAVTHDKNTCIIYESHV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001009554

ORF Size: 918 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_001009554.4](#)

RefSeq Size: 5842 bp

RefSeq ORF: 921 bp

Locus ID: 9848

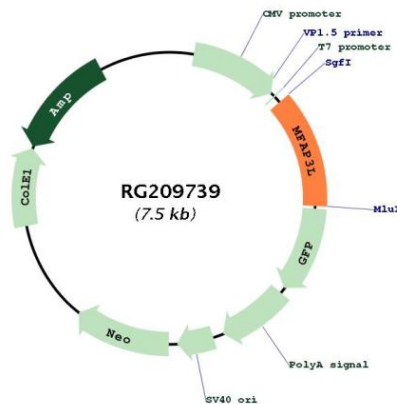
UniProt ID: [O75121](#)

Cytogenetics: 4q33

Protein Families: Transmembrane

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

Product images:



Circular map for RG209739