

Product datasheet for **RG216493**

OLFML2A (NM_182487) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	OLFML2A
Synonyms:	PRO34319
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216493 representing NM_182487
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCGCTGCCGCCCTCCCGCCCCGGCCGCTGCTCCTTCTGCCGCTAGTGCTGCTGCTGAGCGGCCGCC
 CCACGCGCGCCGACAGTAAGGTGTTTGGGGACCTGGACCAGGTGAGGATGACCTCGGAGGGCTCCGACTG
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 GGACGACCGCGATGAGGCCAGCCGAGGTGATCGTCTGAGTGTGACCCCGGCGATCTCTCCGTG
 CACCGGAGACACGTGGAAGACACGGCTCGGGCGAACTCCTACGGGAAGTCTTCTGGTGTGCGGCA
 TCCTGTATGCCGTGGACACGTACAACGAGCAGGAAGGCCAGGTGCGCTACGCTTTCGACACGCACACGGG
 CACCGACGACGCCCCAGCTGCCGTTCTCAACGAGCAGCCTACACCACCCAGATCGACTACAACCCC
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AGCGGACCGACGCGTACGCGCGCTCGAG - GFP Tag - GTTTAA

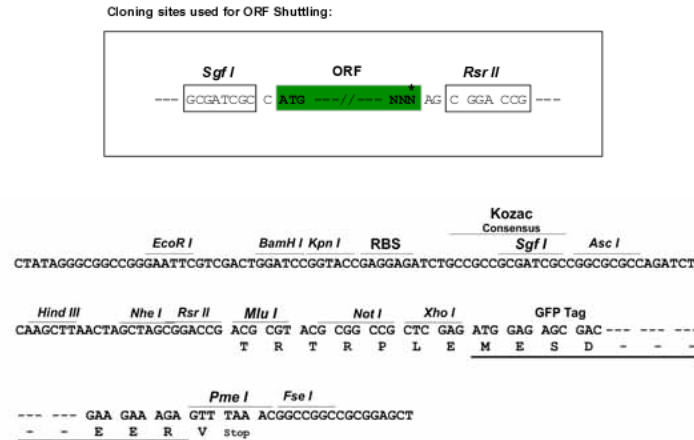
Protein Sequence: >RG216493 representing NM_182487
 Red=Cloning site Green=Tags(s)

MAAAALPPRPLLLPLVLLSGRPTRADSKVFGDLQVRMTSEGSDCRCKCIMRPLSKDACSRVRSGRAR
 VEDFYTVETVSSGTDRCSCCTAPSSSLNPCENWKMEKLKKQAPELLKLQSMVDLLEGLTYSMDLMKVHA
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 PATPATGTGSKAQDTARGKGKDISKYGSVQKSFADRLPKPPKEKLLQVEKLKESGKGSFLQPTAKPRA
 LAQQQAVIRGFTYYKAGKQEVTEAVADNTLQGTSWLEQLPPKVEGRSNSAEPNSAEQDEAEPRSSERV
 ASGTPTSIPATTTTATTPTPTTSLPTEPPSGPEVSSQGREASCEGTLRAVDPPVRHHSYGRHEGAWMK
 DPAARDRIYVTNYYYGNLVEFRNLENFKQGRWSNMYKLPYNWIGTGHVYVQGAFFYNRAFTKNIKYD
 LRQRFVSWALLPDVVYEDTTPWKWRGHSIDFAVDESLWVIYPAVDDRDEAQPEVIVLSRLDPGDLVS
 HRETTWKTRLRRNSYGNCFVCGILYAVDTYNQEGQVAYAFDTHGTARPQLPFLNEHAYTTQIDYNP
 KERVLYAWDNHQLTYTLHFVV

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_182487

ORF Size: 1956 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).

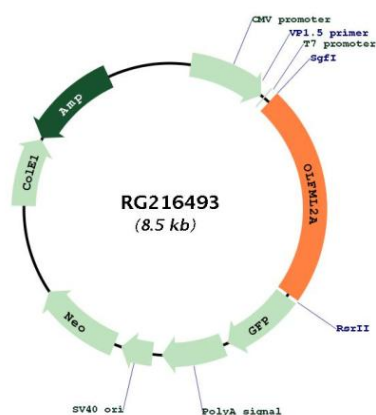
Reconstitution Method:

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_182487.4](#)

RefSeq Size:	6556 bp
RefSeq ORF:	1959 bp
Locus ID:	169611
UniProt ID:	Q68BL7
Cytogenetics:	9q33.3
Protein Families:	Druggable Genome

Product images:


Circular map for RG216493