

Product datasheet for **RC214942**

OLFM4 (NM_006418) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OLFM4 (NM_006418) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OLFM4
Synonyms:	bA209J19.1; GC1; GW112; hGC-1; hOLfD; OlfD; OLM4; UNQ362
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC214942 representing NM_006418
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGCCCGCCTCTCATTCTCTAGCCTTCTGTTCTCCTTGCCAAAGCTGCAGGGGATTGGGGG
 ATGTGGGACCTCCAATCCCAGCCCCGGCTTCAGCTCTTCCCAGGTGTTGACTCCAGCTCCAGCTTCAG
 CTCAGCTCCAGGTCGGGCTCCAGCTCCAGCCGACGTTAGGCAGCGGAGGTTCTGTGTCCAGTTGTTT
 TCCAATTTACCGGCTCCGTGGATGACCGTGGGACCTGCCAGTGTCTGTTTCCCTGCCAGACACCCT
 TTCCCGTGGACAGAGTGAACGCTTGAATTACAGCTCATGTTCTTCTCAGAAGTTTGAGAAAGAACT
 TTCCAAAGTGAGGAATATGTCCAATTAATTAGTGTGTATGAAAAGAACTGTTAAACCTAACTGTCGA
 ATTGACATCATGGAGAAGGATACCATTTCTTACACTGAACTGGACTTCGAGCTGATCAAGGTAGAAGTGA
 AGGAGATGGAAAAGTGGTCATACAGCTGAAGGAGAGTTTGGTGAAGCTCAGAAATTGTTGACCAGCT
 GGAGGTGGAGATAAGAAATATGACTCTCTTGGTAGAGAAGCTTGAGACACTAGACAAAAACAATGTCCTT
 GCCATTCGCCGAGAAATCGTGGCTCTGAAGACCAAGCTGAAAGAGTGTGAGGCCTCTAAAGATCAAACA
 CCCCTGTCTCCACCTCCTCCACTCCAGGGAGCTGTGGTCATGGTGGTGTGGTGAACATCAGCAAACC
 GTCTGTGGTTCAGCTCAACTGGAGAGGGTTTTCTTATCTATATGGTGTGGGGTAGGGATTACTCTCCC
 CAGCATCAAACAAGGACTGTATTGGTGGCGCCATTGAATACAGATGGGAGACTGTTGGAGTATTATA
 GACTGTACAACACTGGATGATTTGCTATTGTATATAAATGCTCGAGAGTTGCGGATCACCTATGGCCA
 AGGTAGTGGTACAGCAGTTTACAACAACAACATGTACGTCAACATGTACAACACCGGGAATATTGCCAGA
 GTTAACCTGACCACCAACAGATTGCTGTGACTCAAACCTCCCTAATGCTGCCTATAATAACCGCTTTT
 CATATGCTAATGTTGCTTGGCAAGATATTGACTTTGCTGTGGATGAGAATGGATTGGGTTATTTATT
 AACTGAAGCCAGCACTGGTAACATGGTATTAGTAACTCAATGACACCACACTTCAGGTGCTAAACACT
 TGGTATACCAAGCAGTATAAACCATCTGCTTCTAACGCCTTCATGGTATGTGGGTTCTGTATGCCACCC
 GTACTATGAACACCAGAAGAGAGATTTTTTACTATTATGACACAAACACAGGAAAAGAGGGCAAAC
 AGACATTGTAATGCATAAGATGCAGGAAAAGTGCAGAGCATAACTATAACCCTTTTGACCAGAAACT
 TATGTCTATAACGATGGTTACCTTCTGAATTATGATCTTCTGTCTTGCAAGCCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214942 representing NM_006418
 Red=Cloning site Green=Tags(s)

MRPGLSFLALLFFLQGAAGDLGDVGPPIPSPGFSSFPVDSSSSFSSSSRSGSSSSRSLGSGGSVSQLF
 SNFTGSVDDRGTCQCSVSLPDTTFPVDRVERLEFTAHLVLSQKFEKELSKVREYVQLISVYEKLLNLTVR
 IDIMEKDTISYTELDFELIKVEVKEMEKLVIQLKESFGGSSEIVDQLEVEIRNMTLLVEKLETLDKNNVL
 AIRREIVALKTKLKECEASKDQNTPVVHPPPTPGSCGHGGVNI SKPSVVQLNWRGFSYL YGAWGRDYS
 QHPNKGLYVWAPLNTDGRLLLEYRLYNTLDDLLYINARELRITYQGSGTAVYNNMVMYNTGNIAR
 VNLTTNTIAVTQTL PNAAYNNRFSYANVAWQDIDFAVDENGLWVIYSTEASTGNMVISKLNDDTLQVNT
 WYTKQYKPSASNAFMVCGVLYATRTMNRTEEIFYYDYDNTGKEGKLDIVMHKMQEKVQSIYNPFDQKL
 VVYNDGYLLNYDLSVLQKPKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6238_a12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_006418

ORF Size: 1530 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_006418.5](#)
RefSeq Size: 2844 bp

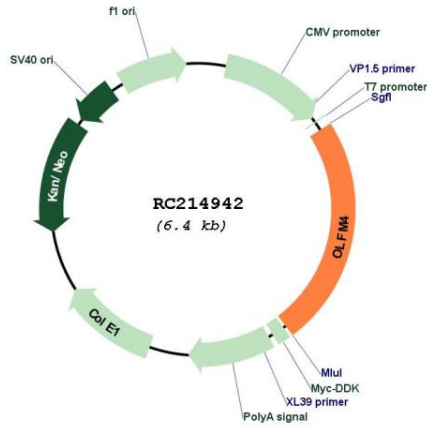
RefSeq ORF: 1533 bp

Locus ID: 10562

UniProt ID: [Q6UX06](#)
Cytogenetics: 13q14.3

Domains: OLF
Protein Families: Druggable Genome
MW: 57.28 kDa
Gene Summary: This gene was originally cloned from human myeloblasts and found to be selectively expressed in inflamed colonic epithelium. This gene encodes a member of the olfactomedin family. The encoded protein is an antiapoptotic factor that promotes tumor growth and is an extracellular matrix glycoprotein that facilitates cell adhesion. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RC214942