

Product datasheet for **RC238468**

Optimedin (OLFM3) (NM_001288821) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Optimedin
Synonyms:	NOE3; NOELIN3; OPTIMEDIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC238468 representing NM_001288821
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGTCTCCACTGCTGAAGCTTGGCGCTGTGCTTAGTACCATGGCAATGATCTCAAACCTGGATGTCCC
 AAACCTCTCCATCCTTGGTGGGACTGAACACCACGAGGCTGTCGACTCCGGATACCTTAACCTCAGATTAG
 TCCTAAGAAGGGTGGCAGGTGTACAGCTCAGCTCAGGATCCTGATGGGCGGTGCATTTGCACAGTTGTT
 GCTCCAGAACAAACCTGTGTTCCCGGGATGCCAAAAGCAGGCACTTCGCCAACTACTGAAAAAGGTTT
 AGAACATGTCCCAGTCTATTGAAGTCTTAACTTGAGAAGCTCAGAGAGATTCCAATATGTTTTAAAAAT
 GGAAACCCAAATGAAAGGGCTGAAGGCAAAATTCGGCAGATTGAAGATGATCGAAAGACACTTATGACC
 AAGCATTTTCAGGAGTTGAAAGAGAAAATGGACGAGCTCCTGCCTTTGATCCCGTGTGGAACAGTACA
 AAACAGATGCTAAGTTAATCAACCCAGTTCAAGGAGGAAATAAGGAATCTGTCTGCTGCTCACTGGTAT
 TCAGGAGGAAATTTGGTGCCTATGACTACGAGGAACTACACCAAGAGTGTGAGCTTGGAACAAGACTT
 CGTGACTGCATGAAAAAGCTAACATGTGGCAAACTGATGAAAATCACAGGCCAGTTACAGTCAAGACAT
 CTGGAACCCGATTTGGTGTGCTGGATGACAGACCCTTTAGCATCTGAGAAAAACAACAGAGTCTGGTACAT
 GGACAGTTATACTAACAATAAAATTGTTCTGTAATAACAATCAATTGCAGACTTTGTGAGTGGGCTGAA
 TCAAGGACATACAACCTTCCTTTCAAGTGGCAGGAACTAACCATGTTGTCTACAATGGCTCACTCTATT
 TTAACAAGTATCAGAGTAATATCATCATCAAAATACAGCTTTGATATGGGGAGAGTGTGTTGCCAACGAAG
 CCTGGAGTATGCTGGTTTTATAATGTTTACCCCTACACATGGGGTGGATTCTCTGACATCGACCTAATG
 GCTGATGAAATCGGGCTGTGGGCTGTGTATGCAACTAACCAGAATGCAGGCAATATTGTATCAGCCAAC
 TTAACCAAGATACCTTGAGGTGATGAAGAGCTGGAGCACTGGCTACCCCAAGAGAAGTGCAGGGGAATC
 TTTCATGATCTGTGGGACACTGTATGTACCAACTCCCACTTAACCTGGAGCCAAGGTGATTATTCTAT
 TCCACCAAAACCTCCACATATGAGTACACAGACATTCCCTTCCATAACCAATACTTTACATATCCATGC
 TTGACTACAATGCAAGAGATCGAGCTCTCTATGCTGGAACAATGGCCACCAGGTGCTGTCAATGTCAC
 CCTTTTCCATATCATCAAGACAGAGATGACACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC238468 representing NM_001288821
 Red=Cloning site Green=Tags(s)

MSPPLLKLGAVLSTMAMISNWSQTLPSLVGLNTRLSTPDTLTQISPKEGWQVYSSAQDPDGRICITVV
 APEQNLCSRDAKSRQLRQLLEKVQNMSSQIEVLNLRQDFQYVLKMETQMKGLKAKFRQIEDDRKTLMT
 KHQELKEKMDLLPLIPVLEQYKTDAKLITQFKEEIRNLSAVLTGIQEEIGAYDYEELHQRVLSLETRL
 RDCMKKLTGKLMKITGPVTVKTSGRFGAWMTDPLASEKNRNVWYMSYTNKIVREYKSIADVFSGAE
 SRTYNLPFKWAGTNHVVYNGSLYFNKYQSNIIKYSFDMGRVLAQRSLEYAGFHNVPYTWGGFSDIDL
 ADEIGLWAVYATNQAGNIVISQLNQDTLEVMSKSWSTGYPKRSAGESFMICGTLVYTNSHLTGAKVYYSY
 STKTSTYEYTDIPFHNQYFHISMLDYNARDRALYAWNNGHQVLFNVTLFHIKTEDDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001288821

ORF Size: 1434 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:

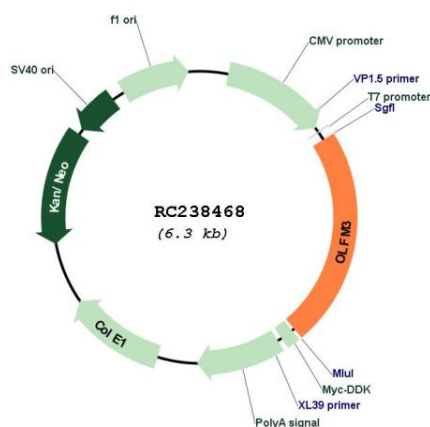
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001288821.1](#), [NP_001275750.1](#)

RefSeq Size: 3226 bp

RefSeq ORF: 1437 bp
Locus ID: 118427
UniProt ID: [Q96PB7](#)
Cytogenetics: 1p21.1
Protein Families: Secreted Protein
MW: 55.4 kDa

Product images:


Circular map for RC238468