

Product datasheet for **RC237871**

Optimedin (OLFM3) (NM_001288823) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Optimedin (OLFM3) (NM_001288823) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OLFM3
Synonyms:	NOE3; NOELIN3; OPTIMEDIN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237871 representing NM_001288823 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCCAGTCTATTGAAGTCTTAACTTGAGAACTCAGAGAGATTTCCAATATGTTTTAAAAATGGAAA
CCCAAATGAAAGGGCTGAAGGCAAAATTCGGCAGATTGAAGATGATCGAAAGACACTTATGACCAAGCA
TTTTCAGGAGTTGAAAGAGAAAAATGGACGAGCTCCTGCCTTTGATCCCCGTGCTGGAACAGTACAAAACA
GATGCTAAGTTAATCACCCAGTTCAAGGAGGAAAATAAGGAATCTGTCTGCTGTCCTCACTGGTATTCAGG
AGGAAATTGGTGCCTATGACTACGAGGAACTACACCAAAGAGTGTGAGCTTGGAAAACAAGACTTCGTGA
CTGCATGAAAAAGCTAACATGTGGCAAACCTGATGAAAAACACAGGCCAGTTACAGTCAAGACATCTGGA
ACCCGATTTGGTCTTGGATGACAGACCCTTAGCATCTGAGAAAAACAACAGAGTCTGGTACATGGACA
GTTATACTAACAATAAAATTTGTTCTGTAATACAAATCAATTGCAGACTTTGTGAGTGGGGCTGAATCAAG
GACATAACAACCTTCCTTTCAAGTGGGCAGGAACTAACCATGTTGTCTACAATGGCTCACTCTATTTTAAC
AAGTATCAGAGTAATATCATCATCAAATACAGCTTTGATATGGGGAGAGTGTGGCCCAAGCAAGCTGG
AGTATGCTGGTTTTCATAAATGTTTACCCCTACACATGGGGTGGATTCTCTGACATCGACCTAATGGCTGA
TGAAATCGGGCTGTGGGCTGTGTATGCAACTAACCAAGATGCAGGCAATATTGTCATCAGCCAACCTTAAC
CAAGATACCTTGAGGTGATGAAGAGCTGGAGCACTGGCTACCCCAAGAGAAGTGCAGGGGAATCTTTCA
TGATCTGTGGGCACTGTATGTCACCAACTCCCCTTAACTGGAGCCAAGGTGATTATTCTATTCCAC
CAAAACCTCCACATATGAGTACACAGACATTCCCTTCCATAACCAATACTTTACATATCCATGCTTGAC
TACAATGCAAGAGATCGAGCTCTATGCCTGGAACAATGGCCACCAGGTGCTGTTCATGTCACCCCTT
TCCATATCATCAAGACAGAGGATGACACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237871 representing NM_001288823
 Red=Cloning site Green=Tags(s)

MSQSIEVLNLRTRDFQYVVKMETQMKGLKAKFRQIEDDRKTLMTKHFQELKEKMDLPLIPVLEQYKT
 DAKLITQFKEEIRNLSAVLTGIQEEIGAYDYEELHQRVLSLETRLRDCMKKLCGKLMKITGPVTVKTS
 TRFGAWMTDPLASEKNNRVWYMSYTNKIVREYKSIADFVSGAESRTYNLPFKWAGTNHVVYNGSLYFN
 KYQSNIIIKYSFDMGRVLAQRSLEYAGFHNVPYPTWGGFSDIDLMADEIGLWAVYATNQAGNIVISQLN
 QDTLEVMSWSTGYPKRSAGESFMICGTLVYVNSHLTGAKVYYSYTKTSTYEYTDIPFHNQYFHISMLD
 YNARDRALYAWNNGHQVLFNVTLFHIKTEDDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

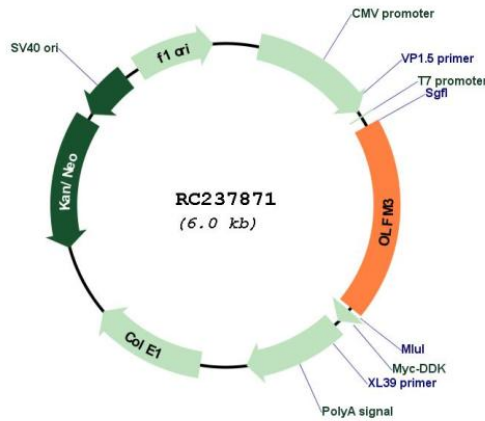
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001288823

ORF Size:	1149 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:	<ol style="list-style-type: none">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_001288823.1 , NP_001275752.1
RefSeq Size:	3538 bp
RefSeq ORF:	1152 bp
Locus ID:	118427
UniProt ID:	Q96PB7
Cytogenetics:	1p21.1
Protein Families:	Secreted Protein
MW:	45 kDa