

Product datasheet for **RG237871**

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:	TurboGFP
Symbol:	Optimedin
Synonyms:	NOE3; NOELIN3; OPTIMEDIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237871 representing NM_001288823. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCCAGTCTATTGAAGTCTTAACTTGAGAACTCAGAGAGATTTCCAATATGTTTTAAAAATGGAA
ACCCAAATGAAAGGGCTGAAGGCAAAATTTCCGCGAGATTGAAGATGATCGAAAGACACTTATGACCAAG
CATTTTCAGGAGTTGAAAGAGAAAATGGACGAGCTCCTGCCTTTGATCCCGTGTGGAACAGTACAAA
ACAGATGCTAAGTTAATCACCCAGTTCAAGGAGGAAATAAGGAATCTGTCTGCTGCTCCTCACTGGTATT
CAGGAGGAAATTTGGTGCCTATGACTACGAGGAACTACACCAAAGAGTGTGAGCTTGAAACAAGACTT
CGTGACTGCATGAAAAGCTAACATGTGGCAAACCTGATGAAAATCACAGGCCAGTTACAGTCAAGACA
TCTGGAACCCGATTTGGTCTTGGATGACAGACCCCTTAGCATCTGAGAAAACAACAGAGTCTGGTAC
ATGGACAGTTATACTAACAATAAAATTTGTCGTGAATACAAATCAATTGCAGACTTTGTCAGTGGGGCT
GAATCAAGGACATACAACCTTCCCTTTCAAGTGGGCGAGGAACTAACCATGTTGTCTACAATGGCTCACTC
TATTTTAAACAAGTATCAGAGTAATATCATCAATACAGCTTTGATATGGGGAGAGTGCTTGGCCAA
CGAAGCCTGGAGTATGCTGGTTTTTATAATGTTTACCCCTACACATGGGGTGGATTCTCTGACATCGAC
CTAATGGCTGATGAAATCGGGCTGTGGGCTGTGTATGCAACTAACCAGAATGCAGGCAATATTGTATC
AGCCAACCTTAAACAAGATACCTTGGAGGTGATGAAGAGCTGGAGCACTGGCTACCCCAAGAGAAGTGCA
GGGGAATCTTTTATGATCTGTGGGACACTGTATGTCACCAACTCCCACTTAACTGGAGCCCAAGGTGTAT
TATTCCTATTCCACAAAACCTCCACATATGAGTACACAGACATTCCCTTCCATAACCAATACTTTTAC
ATATCCATGCTTGACTACAATGCAAGAGATCGAGCTCTCTATGCCTGGAACAATGGCCACCAGGTGCTG
TTCAATGTACCCTTTTCCATATCATCAAGACAGAGGATGACACA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237871
 Blue=ORF Red=Cloning site Green=Tag(s)

MSQSIEVLNLRTRQDFQYVVKMETQMKGLKAKFRQIEDDRKTLMTKHFQELKEKMDLELLPLIPVLEQYK
 TDAKLITQFKEEIRNLSAVLTGIQEEIGAYDYEELHQRVLSLETRLRDCMKKLTGKLMKITGPVTVKT
 SGTRFGAWMTDPLASEKNNRVWYMDSYTNKIVREYKSIADVFSGAESRTYNLFPKWAGTNHVYNGSL
 YFNKYQSNIIKYSFDMGRVLAQRSLEYAGFHNVPYTWGGFSDIDLMADEIGLWAVYATNQAGNIVI
 SQLNQDTLEVMSWSTGYPKRSAGESFMICGTLVYTNSHLTGAKVYYSYSTKTSTYEYTDIPFHNQYFH
 ISMLDYNARDRALYAWNNGHQVLFNVTLFHIKTEDDT
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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](#)

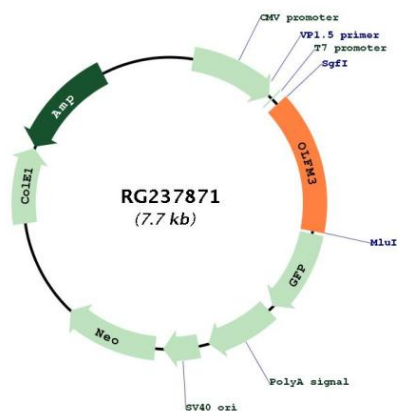
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

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

Product images:


Circular map for RG237871