

Product datasheet for **RG205436**

Optimedin (OLFM3) (NM_058170) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Optimedin
Synonyms:	NOE3; NOELIN3; OPTIMEDIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG205436 representing NM_058170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCAGGCGACGTCCAACCTTCTCAACCTCCTGCTGCTGTCTTTGTTTGCCGGATTAGATCCTTCCAAGA
 CTCAGATTAGTCCTAAAGAAGGGTGGCAGGTGTACAGCTCAGCTCAGGATCCTGATGGGCGGTGCATTTG
 TACAGTTGTTGCTCCAGAACAAAACCTGTGTTCCCGGGATGCCAAAGCAGGCAACTTCGCAAACTACTG
 GAAAAGGTTTCAACATGTCCAGTCTATTGAAGTCTTAACTTGAGAAGTCAAGAGATTTCCAATATG
 TTTTAAAAATGGAACCCAAATGAAAGGGCTGAAGGCAAAATTCGGCAGATTGAAGATGATCGAAAGAC
 ACTTATGACCAAGCATTTTCAGGAGTTGAAAGAGAAAATGGACGAGCTCCTGCCTTTGATCCCCGTGCTG
 GAACAGTACAAAACAGATGCTAAGTTAATCACCCAGTTCAAGGAGGAAAATAAGGAATCTGTCTGCTGTCC
 TCACTGGTATTGAGGAGAAATTTGGTGCATGACTACGAGGAACTACACCAAGAGTGTGAGCTTGGG
 AACAGACTTCGTGACTGCATGAAAAGCTAACATGTGGCAAATGATGAAAATCACAGGCCCGATTACA
 GTCAAGACATCTGGAACCCGATTTGGTGTGATGACAGACCCCTTAGCATCTGAGAAAAACAACAGAG
 TCTGGTACATGGACAGTTATACTAACAATAAAATTGTTCTGTAATACAAATCAATTGCAGACTTTGTGAG
 TGGGGCTGAATCAAGGACATACAACCTTCCTTTCAAGTGGGCGAGGAACTAACCATGTTGTCTACAATGCG
 TCACTCTATTTTAAAGTATCAGAGTAATATCATCAATAACAGCTTTGATATGGGAGAGTGCTTG
 CCCAACGAAGCCTGGAGTATGCTGGTTTTTATAATGTTTACCCCTACACATGGGGTGGATTCTCTGACAT
 CGACCTAATGGCTGATGAAATCGGGCTGTGGGCTGTGTATGCAACTAACCGAATGCAGGCAATATTGTC
 ATCAGCCAACCTAACCAAGATACCTTGGAGGTGATGAAGAGCTGGAGCACTGGCTACCCCAAGAGAAGTG
 CAGGGGAATCTTTATGATCTGTGGGACACTGTATGTCACCAACTCCCACTTAAGTGGAGCCAAGGTGTA
 TTATTCTATTCCACAAAACCTCCACATATGAGTACACAGACATTCCTTCCATAACCAATACTTTTAC
 ATATCCATGCTTGACTACAATGCAAGAGATCGAGCTCTCTGTGCCTGGAACAATGGCCACCAGGTGCTGT
 TCAATGTACCCCTTTTCCATATCATCAAGACAGAGGATGACACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205436 representing NM_058170
 Red=Cloning site Green=Tags(s)

MQATSNLLNLLLLSLFAGLDPSKTQISPKEGWQVYSSAQDPDGRICITVVAPEQNLCSRDAKSRQLRKL
 EKVNMSQSIEVLNLRQDFQYVLKMETQMKGLKAKFRQIEDDRKLTMTKHFQELKEKMDPELLIPVL
 EQYKTDAKLITQFKEEIRNLSAVLTGIEEIGAYDYEELHQRVLSLETRLRDCMKKLTGKLMKITGPVT
 VKTSGTRFGAWMTDPLASEKNRNVWYMSYTNKIVREYKSIADFSVGAESRTYNLPFKWAGTNHVYNG
 SLYFNKYQSNIIKYSFDMGRVLAQRSLEYAGFHNVPYTWGGFSDIDLMADEIGLWAVYATNQNAGNIV
 ISQLNQDTLEVMSWSWSTGYPKRSAGESFMICGTLVVTNSHLTGAKVYYSYSTKTSTYEYTDIPFHNQYFH
 ISMLDYNARDRALCAWNNGHQVLFNVTLFHIKTEDDT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_058170

ORF Size: 1374 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).

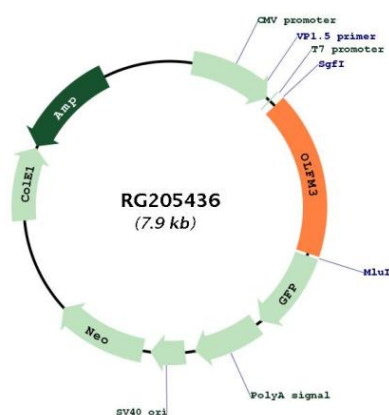
Reconstitution Method:

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_058170.1](#), [NP_477518.1](#)

RefSeq Size: 3231 bp
RefSeq ORF: 1377 bp
Locus ID: 118427
UniProt ID: [Q96PB7](#)
Cytogenetics: 1p21.1
Protein Families: Secreted Protein

Product images:


Circular map for RG205436