

## Product datasheet for **RC238501**

### Noelin (OLFM1) (NM\_001282611) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Noelin (OLFM1) (NM_001282611) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OLFM1
Synonyms:	AMY; NOE1; NOELIN1; OlfA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RC238501 representing NM\_001282611  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGTGCCGCTGCTCAAGATCGGGGTCGTGCTGAGCACCATGGCCATGATCACTAACTGGATGTCCC  
 AGACGCTGCCCTCGTGTGGGCTCAACACCACCAAGCTCTCGGCGCCGGCGGGGACGCTGGACCG  
 CAGCACCGGCGTCTGCCACCAACCCTGAGGAGAGCTGGCAGGTGTACAGCTCTGCCCAGGACAGCGAG  
 GGCAGGTGTATCTGCACAGTGGTCGCTCCACAGCAGACCATGTGTTACGGGATGCCCGCACAAAACAGC  
 TGAGGCAGCTACTGGAGAAGGTGCAGAACATGTCTCAATCCATAGAGGTCTTGGACAGGCGGACCCAGAG  
 AGACTTGCAGTACGTGGAGAAGATGGAGAACCAATGAAAGGACTGGAGTCCAAGTTCAAACAGGTGGAG  
 GAGAGTCATAAGCAACACCTGGCCAGGCAGTTTAAAGCGATAAAAAGCGAAAATGGATGAACCTTAGGCCTT  
 TGATACCTGTGTTGGAAGAGTACAAGGCCGATGCCAAATTGGTATTGCAGTTTAAAGAGGAGGTCCAGAA  
 TCTGACGTCAGTGCTTAAAGGACTGCAAGAGGAAATTGGCGCCTATGACTACGATGAACCTCAGAGCAGA  
 GTGTCCAATCTTGAAGAAAGGCTCCGTGCATGCATGCAAAAACCTAGCTTGCGGGAAGTTGACGGGCATCA  
 GTGACCCCGTGACTGTCAAGACCTCCGGCTCGAGGTTCCGATCCTGGATGACAGACCCCTCTCGCCCTGA  
 AGGCGATAACCGGGTGTGGTACATGGACGGCTATCACAACAACCGCTTCGTACGTGAGTACAAGTCCATG  
 GTTGACTTCATGAACACGGACAATTTCACTCCCACCGTCTCCCCACCCCTGGTCGGGCACGGGGCAGG  
 TGGTCTACAACGGTCTACTACTTCAACAAGTCCAGAGCCACATCATCAGGTTTGACCTGAAGAC  
 AGAGACCATCCTCAAGACCCGACGCTGGACTATGCCGGTTACAACAACATGTACCACTACGCTGGGGT  
 GGCCACTCGGACATCGACCTCATGGTGGACGAGAGCGGGCTGTGGGCCGTGTACGCCACCAACAGAACG  
 CTGGCAACATCGTGGTCAGTAGGCTGGACCCGTCCTGCAGACCCCTGCAGACCTGGAACACGAGCTA  
 CCCAAGCGCAGCGCCGGGAGGCCTTCACTCATCTGCGGCACGCTGTACGTACCAACCGGCTACTCAGGG  
 GGTACCAAGTCCACTATGCATACCAGACCAATGCCTCCACCTATGAATACATCGACATCCATTCCAGA  
 ACAAATACTCCACATCTCCATGCTGGACTACAACCCCAAGGACCGGGCCCTGTATGCCTGGAACAACGG  
 CCACCAGATCCTTACAACGTGACCCTCTCCACGTCATCCGCTCCGACGAGTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238501 representing NM\_001282611  
 Red=Cloning site Green=Tags(s)

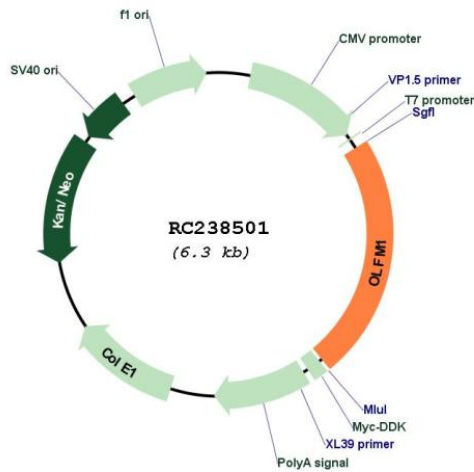
MSVPLLIKIGVVLSTMAMITNWSQTLPSLVGLNNTKLSAAGGGTLDRSTGVLPTNPEESWQVYSSAQDSE  
 GRCICTVVAPQQTMCSDARTKQLRQLLEKVNMSQSIEVLDLRRTRQDLQYVEKMENQMKGLESKFKQVE  
 ESHKQHLARQFKAIKAKMDELRLIPVLEEYKADAKLVLQFKEEVQNLTSVLNELQEEIGAYDYDELQSR  
 VSNLEERLRACMQKLACGKLTGISDPVTVKTSGRSFRGSMWTDPLAPEGDNRVWYMDGYHNNRFVREYKSM  
 VDFMNTDNFTSHRLPHPWSGTGQVYNGSIYFNKFSHIIIRFDLKTETILKTRSLDYAGYNNMYHYAWG  
 GHSDIDLMDVDESLWAVYATNQAGNIIVSRLDPVSLQTLQWNTSYPKRSAGEAFIICGTLTYVTNGYSG  
 GTKVHYAYQTNASTYEYIDIPFQNKYSHISMLDYNPKDRALYAWNNGHQILYNVTLFHVIRSDEL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_001282611

**ORF Size:**

1455 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\\_001282611.2](#)

**RefSeq Size:** 2791 bp

**RefSeq ORF:** 1458 bp

**Locus ID:** 10439

**UniProt ID:** [Q99784](#)

**Cytogenetics:** 9q34.3

**Protein Families:** Druggable Genome

**MW:** 55.8 kDa

**Gene Summary:** This gene product shares extensive sequence similarity with the rat neuronal olfactomedin-related ER localized protein. While the exact function of the encoded protein is not known, its abundant expression in brain suggests that it may have an essential role in nerve tissue. Several alternatively spliced transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]