

Product datasheet for **RC238345**

Noelin (OLFM1) (NM_001282612) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Noelin (OLFM1) (NM_001282612) 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



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ORF Nucleotide Sequence:

>RC238345 representing NM_001282612
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAGAAGCCCGGGACGGGAGGGCCGCGGGCCGTGCCCCAGCTGGAGTCCCGCGCCGCCCGGG
 TGCTGCCACCAACCCTGAGGAGAGCTGGCAGGTGTACAGCTCTGCCAGGACAGCGAGGGCAGGTGTAT
 CTGCACAGTGGTCGCTCCACAGCAGACCATGTGTTACGGGATGCCCGCACAAAACAGCTGAGGCAGCTA
 CTGGAGAAGGTGCAGAACATGTCTCAATCCATAGAGGTCTGGACAGGGGACCCAGAGAGACTTGCAGT
 ACGTGGAGAAGATGGAGAACCAATGAAAGGACTGGAGTCCAAGTTCAAACAGGTGGAGGAGAGTCATAA
 GCAACACCTGGCCAGGCAGTTTAAAGCGATAAAAAGCGAAAATGGATGAACTTAGGCCTTTGATACCTGTG
 TTGGAAGAGTACAAGGCCGATGCCAAATGGTATTGCAGTTTAAAGAGGAGGTCCAGAATCTGACGTCAG
 TGCTTAACGAGCTGCAAGAGGAAATGGCGCTATGACTACGATGAACTTCAGAGCAGAGTGTCCAATCT
 TGAAGAAAAGGCTCCGTGCATGCATGCAAAAAGCTTAGCTTGGCGGAAAGTTGACGGGCATCAGTGACCCCGTG
 ACTGTCAAGACCTCCGGCTCGAGTTCCGATCCTGGATGACAGACCTCTCGCCCTGAAGGCGATAACC
 GGGTGTGTACATGGACGGCTATCACAACAACCGCTTCGTACGTGAGTACAAGTCCATGGTTGACTTCAT
 GAACACGGACAATTTACCTCCCACCGTCTCCCCACCCCTGGTCCGGCACGGGGCAGGTGGTCTACAAC
 GTTTCTATCTACTTCAACAAGTTCAGAGCCACATCATCATCAGGTTTGACCTGAAGACAGAGACCATCC
 TCAAGACCCGCAGCCTGGACTATGCCGGTTACAACAACATGTACCACTACGCCTGGGGTGGCCACTCGGA
 CATCGACTCATGGTGGACGAGAGCGGGCTGTGGGCCGTACGCCACCAACCAGAACGCTGGCAACATC
 GTGGTCAGTAGGCTGGACCCCGTGTCCCTGCAGACCTGCAGACCTGGAACACGAGCTACCCCAAGCGCA
 GCGCCGGGAGGCCTTCATCATCTGCGGCACGCTGTACGTACCAACGGCTACTCAGGGGTACCAAGT
 CCACTATGCATACCAGACCAATGCCTCCACCTATGAATACATCGACATCCATTCCAGAACAATACTCC
 CACATCTCCATGCTGGACTACAACCCCAAGGACCGGGCCCTGTATGCCTGGAACAACGGCCACCAGATCC
 TCTACAACGTGACCTCTCCACGTCATCCGCTCCGACGAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238345 representing NM_001282612
 Red=Cloning site Green=Tags(s)

MGEAPGREGRGPCPQLESPPRRRVLPTNPEESWQVYSSAQDSEGRICITVAPQQTMC SRDARTKQLRQL
 LEKVQNSQSIEVLD RRTQRDLQYVEKMENQMKGLESKFKQVEESHKQHLARQFKAIKAKMDEL RPLIPV
 LEEYKADAKLVLFKKEEVQNLTSVLNELQEEIGAYDYDELQSRVSNLEERLRACMQKLACGKLTGISDPV
 TVKTSGRFRGSMWTDPLAPEGDNRVWYMDGYHNNRFVREYKSMVDFMNTDNFTSHRLPHPWSGTGQVVYN
 GSIYFNKFQSHIIIRFDLKTETILKTRSLDYAGYNNMYHYAWGGHSDIDL MVDESGLWAVYATNQNAGNI
 VVSRLDPVSLQTLQTWNTSYPKRSAGEAFIICGTLVYTNGYSGGTKVHYAYQTNASTYEYIDIPFQNKYS
 HISMLDYNPKDRALYAWNNGHQILYNVTLFHVIRSDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

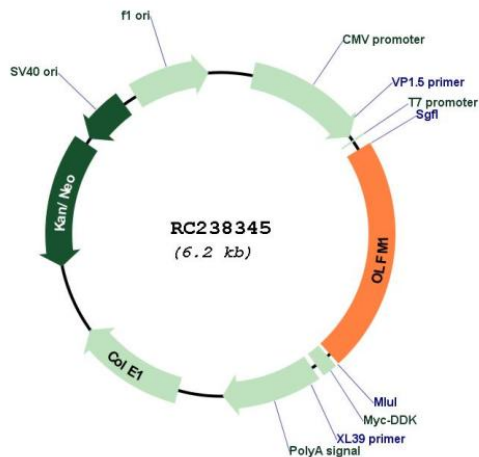
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282612

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:	<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:	<u>NM_001282612.1</u> , <u>NP_001269541.1</u>
RefSeq Size:	2502 bp
RefSeq ORF:	1377 bp
Locus ID:	10439
UniProt ID:	<u>Q99784</u>
Cytogenetics:	9q34.3
Protein Families:	Druggable Genome
MW:	53.3 kDa
Gene Summary:	<p>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]</p>