

## Product datasheet for **SC116172**

### Noelin (OLFM1) (NM\_006334) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Noelin (OLFM1) (NM_006334) Human Untagged Clone
Tag:	Tag Free
Symbol:	Noelin
Synonyms:	AMY; NOE1; NOELIN1; OlfA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006334, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGGTCGTTGGAGGTGGCAGCGAGACATGCACCCGGCCCGAAGCTCCTCAGCCTCTCTCCTCA  
TCCTGATGGGCACTGAACTCACTCAAGTGTGCCACCAACCCTGAGGAGAGCTGGCAGGTGTACAGCTC  
TGCCAGGACAGCGAGGGCAGGTGTATCTGCACAGTGGTCGCTCCACAGCAGACCATGTGTTACCGGAT  
GCCCGCACAAAACAGCTGAGGCAGCTACTGGAGAAGGTGCAGAACATGTCTCAATCCATAGAGGTCTTGG  
ACAGGGCGACCCAGAGAGACTTGCAGTACGTGGAGAAGATGGAGAACCAATGAAAGGACTGGAGTCCAA  
GTTCAAACAGGTGGAGGAGATCATAAGCAACACCTGGCCAGGCAGTTTAAGGGCTAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006334 unedited NNCCTCTTTACCCGCCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAAGGTCTA TATAAGCAGAGCTCGTTTGTGAAACCGTCAGAATTTTGTAAATACGACTACTATAGGGCG GCCGGAATTCGGCACGAGGACGAGCCAGGCGCCGCCCGGAGCCAGCCGAGCCGGGGC CAGAGCCGGAGCGGTCCGCGTCCACGCAGCCCGCCGGCCAGCACCCAGGGCCCTGC ATGCCAGGTCGTTGGAGGTGGCAGCGAGACATGCACCCGGCCCGGAAGCTCCTCAGCCTC CTCTTCTCATCCTGATGGGCACTGAACCTCACTCAAGTGTGCTGCCACCAACCCTGAGGAG AGCTGGCAGGTGTACAGCTCTGCCAGGACAGCGAGGGCAGGTGTATCTGCACAGTGGTC GCTCCACAGCAGACCATGTGTTACGGGATGCCCGCACAAAACAGCTGAGGCAGCTACTG GAGAAGGTGCAGAACATGTCTCAATCCATAGAGGTCTTGGACAGGCGGACCCAGAGAGAC TTGCAGTACGTGGAGAAGATGGAGAACCAATGAAAGGACTGGAGTCCAAGTTCAAACAG GTGGAGGAGATCATAAGCAACACCTGGCCAGGCAGTTTAAAGGGCTAACTAAAAGAGTT TTTTCAATGCTGCAGTACTGAAGAAGCAGTCCACTCCCATGTAACCATGAAAGAGAGCC AGAGAGCTTTTTGCACCATGCATTTTTACTATTATTGTCCAATACTTAGCACCATTTTAC TAAGGGAACCTTGATACAACCAGGATCCTCTTGCATGCGACTGTAGCTGCATTTTCATG AATAGTTTGAACCTTGTCAAATGCATTTTTGAAAAAAAAAAAAAAAAAAAAAACTCGACT CTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGTCCCAGGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006334
<b>Insert Size:</b>	800 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_006334.2</a> , <a href="#">NP_006325.1</a>
<b>RefSeq Size:</b>	1106 bp
<b>RefSeq ORF:</b>	408 bp
<b>Locus ID:</b>	10439
<b>UniProt ID:</b>	<a href="#">Q99784</a>
<b>Cytogenetics:</b>	9q34.3
<b>Protein Families:</b>	Druggable Genome

**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]

Transcript Variant: This variant (2) contains a distinct 3' UTR and lacks a portion of the 3' coding region, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus when compared to isoform 1.