

Product datasheet for **SC101336**

Noelin (OLFM1) (NM_014279) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Noelin (OLFM1) (NM_014279) Human Untagged Clone
Tag:	Tag Free
Symbol:	Noelin
Synonyms:	AMY; NOE1; NOELIN1; OlfA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC101336 sequence for NM_014279 edited (data generated by NextGen Sequencing)

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ATGCCAGGTGCGTTGGAGGTGGCAGCGAGACATGCACCCGGCCCGGAAGCTCCTCAGCCTC
CTCTTCTCATCTGATGGGCACTGAACTCACTCAAGTGTGCCACCAACCCTGAGGAG
AGCTGGCAGGTGTACAGCTCTGCCAGGACAGCGAGGGCAGGTGTATCTGCACAGTGGTC
GCTCCACAGCAGACCATGTGTTACGGGATGCCCGCACAAAACAGCTGAGGCAGCTACTG
GAGAAGGTGCAGAACATGTCTCAATCCATAGAGGTCTTGACAGGCGGACCCAGAGAGAC
TTGCAGTACGTGGAGAAGATGGAGAACCAATGAAAGGACTGGAGTCCAAGTTCAAACAG
GTGGAGGAGAGTCATAAGCAACACCTGGCCAGGCAAGTTTAAAGCGATAAAAAGCGAAAATG
GATGAACTTAGGCCTTTGATACCTGTGTTGGAAGAGTACAAGGCCGATGCCAAATTGGTA
TTGCAGTTTAAAGAGGAGGTCCAGAATCTGACGTCAGTGTAAACGAGCTGCAAGAGGAA
ATTGGCGCTATGACTACGATGAACTTCAGAGCAGAGTGTCCAATCTTGAAGAAAGGCTC
CGTGCATGCATGCAAAAACCTAGCTTGGCGGAAGTTGACGGGCATCAGTGACCCCGTGACT
GTCAAGACCTCCGGCTCGAGGTTCCGATCCTGGATGACAGACCCCTCTCGCCCTGAAGGC
GATAACCGGGTGTGGTACATGGACGGCTATCACAAACCGCTTGTACGTGAGTACAAG
TCCATGGTTGACTTCATGAACACGGACAATTTACCTCCACCGTCTCCCCACCCCTGG
TCGGGCACGGGGCAGGTGGTCTACAACGGTTCTATCTACTTCAACAAGTTCAGAGCCAC
ATCATCATCAGGTTTGACCTGAAGACAGAGACCATCCTCAAGACCCGAGCCTGGACTAT
GCCGGTTACAACAACATGTACCACTACGCTGGGGTGGCCACTCGGACATCGACCTCATG
GTGGACGAGAGCGGGCTGTGGGCGGTGTACGCCACCAACCAGAACGCTGGCAACATCGTG
GTCAGTAGGCTGGACCCCGTGTCCCTGCAGACCTGCAGACCTGGAACACGAGCTACCC
AAGCGCAGCGCGGGGAGGCCTTATCATCTGCGGCACGCTGTACGTACCAACGGCTAC
TCAGGGGGTACCAAGGTCCACTATGCATACCAGACCAATGCCTCCACCTATGAATACATC
GACATCCCATCCAGAACAATACTCCACATCTCCATGCTGGACTACAACCCCAAGGAC
CGGGCCCTGTATCCCTGGAAACACGGCCACCAGATCCTCTACAACGTGACCCCTTCCAC
GTCATCCGCTCCGACGAGTTGTAG

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Clone variation with respect to NM_014279.4

5' Read Nucleotide Sequence: >OriGene 5' read for NM_014279 unedited

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TATACGACTTATATAGGGCGGCCGGAATTCGCACGAGGCGCGCCCGCCGCTCCGGGT
GCTGAATCCAGGCGTGGGGACACGAGCCAGGCGCCGCGCCGGAGCCAGCGGAGCCGGGG
CCAGAGCCGGAGCGCGTCCGCGTCCACGACGCCGCGCCGGCCAGCACCAGGGCCCTG
CATGCCAGGTGCGTTGGAGGTGGCAGCGAGACATGCACCCGGCCCGGAAGCTCCTCAGCCT
CCTCTTCTCATCTGATGGGCACTGAACTCACTCAAGTGTGCCACCAACCCTGAGGA
GAGCTGGCAGGTGTACAGCTCTGCCAGGACAGCGAGGGCAGGTGTATCTGCACAGTGGT
CGCTCCACAGCAGACCATGTGTTACGGGATGCCCGCACAAAACAGCTGAGGCAGCTACT
GGAGAAGGTGCAGAACATGTCTCAATCCATAGAGGTCTTGACAGGCGGACCCAGAGAGA
CTTGACGTACGTGGAGAAGATGGAGAACCAATGAAAGGACTGGAGTCCAAGTTCAAACA
GTGGGAGGAGAGTCATAAGCAACACCTGGCCAGGCAAGTNTAAAGCGATAAAAAGCGAAAAT
GGATGAACTTAGGCCTTTGATACCTGTGTTGGGAAGAGTACAAGGGCCGATGCAAATTGG
TATTTGGCAGTTAAGNAGGGGAGGTCCAGAATCTGACCGTTAGTGCCTTAAACGAGCTGC
AAGAGGAAAATTGGCGCTATGACTACGATGAACTTCAAGCNAGAGTGTCCAATCTTGAA
AGAAGGGCTCCGTGCATGCATGCAAAAATANCTGGNNGGAAATTTGACGGGCATCAGTGA
CCCCGTGACTGTGACTCGGCNTCGGGGGGGGGANACCCGGGAAACAACCCCTCTG
CCCTTGAAGCATAACGGGGGGGGTGGATAGGGAACGTATTACACAAAACGGTTTGTAA
TGAACAACCCCGTGA

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014279 unedited TCCCCCCCCCCCCCCCCCCCCCCCCCTCCAATTTGACTTTGNAANCGCGCCCCGCA TACTAGATCGAGTTTTTTTTTTTTTTTTTGTCTCCCAAGTTTTATTGTTCTTAGAT AACTGGATAGTACAAAGTTTGCCTTTGTTTTTACTTAAAAACGTACTTCCGCATACT GTTGCCGTATGACTTTCCTGTCCCATCGGAAACCAGAGTTTCCCAGGCGAGCCCTTCC TATCTGCGGTTACATGATTTAGCTAATTTAACAAGAAGAGATAATTCCTTTGATTATTA TCAACATGAACCTGACTATGTCTCTATAAGGGTGAACACTGATTTTTTTTTTCTTTTTAG AAACAAAACCATCCACTTATTAATCCAAACTACGGCATTGCATTACAACAATCATCGC ATAAACTGAACATACGAAGTTACCACCTCAAGGGAATAACAGAAGAACATTGCACAATGT ATCTACGGGTACGCGAGTTCAAACAATGTGGGCACAGCAACTTCACTCTACACACTCTG ACCATCGCTTCAGTATGTACTAGACACAGGTCCAGGAGCTATGTGGAGCCTCAGCACGGT TAATCTAAGACAGCAACACAGTCAAGAAACGGCACTGCAATGGGATGCGAGTTAACT ACCCTACGGCCGGTGCAGCCATGGCTCTCAAAGACCCTGGACGCCACATTCTCGGCA GCTGACCAGATCTAAGGAAAAGTTCATGCCCTCTTAACGTGGGTTCTCCCCGGTGAA AACTGCCCAAAGCCATGCCTCGACTCTTAGAATGCTGCCTGACCCAAAAGGTACAGGC CGGGGAGGAAAACCGGGGCTCGTGGCCTGCAATTCCAACCTGCAAACCGGGATTTTTTT TCGACTTTGTGGGCCCCCCGGCTCCAAAGGGAA
Restriction Sites:	NotI-NotI
ACCN:	NM_014279
Insert Size:	2590 bp
OTI Disclaimer:	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).
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_014279.2</u> , <u>NP_055094.1</u>
RefSeq Size:	2838 bp
RefSeq ORF:	1404 bp
Locus ID:	10439
UniProt ID:	<u>Q99784</u>
Cytogenetics:	9q34.3
Domains:	OLF
Protein Families:	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 (1) encodes the longest isoform (1).