

Product datasheet for **RG238501**

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: | TurboGFP |
| Symbol: | Noelin |
| Synonyms: | AMY; NOE1; NOELIN1; OlfA |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG238501 representing NM_001282611.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCGGTGCCGCTGCTCAAGATCGGGGTCGTGCTGAGCACCATGGCCATGATCACTAACTGGATGTCC
CAGACGCTGCCCTCGCTGGTGGGCTCAACACCACCAAGCTCTCGGCGGCCGGCGGGGACGCTGGAC
CGCAGCACCGGCGTCTGCCACCAACCCTGAGGAGAGCTGGCAGGTGTACAGCTCTGCCAGGACAGC
GAGGGCAGGTGTATCTGCACAGTGGTCCGCTCCACAGCAGACCATGTGTTACGGGATGCCCGCACAAAA
CAGCTGAGGCAGCTACTGGAGAAGGTGCAGAACATGTCTCAATCCATAGAGGTCTTGACAGGCGGACC
CAGAGAGACTTGCAGTACGTGGAGAAGATGGAGAACAAATGAAAGGACTGGAGTCCAAGTTCAAACAG
GTGGAGGAGAGTCATAAGCAACACCTGGCCAGGCAGTTTAAAGCGATAAAAAGCGAAAATGGATGAAGTT
AGGCCTTTGATACCTGTGTTGGAAGAGTACAAGGCCGATGCCAAATTGGTATTGCAGTTTAAAGAGGAG
GTCCAGAAATCTGACGTCAGTCTTAACGAGCTGCAAGAGGAAATGGCGCCTATGACTACGATGAAGTT
CAGAGCAGAGTGTCCAATCTTGAAGAAAGCTCCGTGCATGCATGCAAAAAGTCTTGGCGGAAGTTG
ACGGGCATCAGTACCCCGTACTGTCAAGACCTCCGGCTCGAGGTTCCGATCCTGGATGACAGACCCT
CTCGCCCTGAAGGCGATAACCGGGTGTGTACATGGACGGCTATCACAACAACCGCTTCGTACGTGAG
TACAAGTCCATGGTTGACTTCAAGACCGGACAAATTTCACTCCACCGTCTCCCCACCCCTGGTTCG
GGCAGGGGCGAGGTGGTCTACAACGGTTCTATCTACTTCAACAAGTTCCAGAGCCACATCATCATCAGG
TTTGACCTGAAGACAGAGACCATCTCAAGACCCGACGCTGGACTATGCCGGTTACAACAACATGTAC
CACTACGCTGGGGTGGCCACTCGGACATCGACCTCATGGTGGACGAGAGCGGGCTGTGGCCGTGTAC
GCCACCAACCAGAACGCTGGCAACATCGTGGTCAAGTGGACCCCGTGTCCCTGCAGACCCTGCAG
ACCTGGAACACGAGCTACCCCAAGCGCAGCGCCGGGAGGCCTTCATCATCTGCGGCAGCTGTACGTC
ACCAACGGCTACTCAGGGGTACCAAGTCCACTATGCATACCAGACCAATGCCTCCACCTATGAATAC
ATCGACATCCCATTCCAGAACAAATACTCCACATCTCCATGCTGGACTACAACCCCAAGGACCGGGCC
CTGTATGCCTGGAACAACGGCCACCAGATCCTCTACAACGTGACCTCTCCACGTATCCGCTCCGAC
GAGTTG
```

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG238501
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSVPLKIGVVLSTMAMITNWSQTLPSLVGLNNTKLSAAGGTLDRSTGVLPTNPEESQVYSSAQDS
EGRCICTVVAPQQTMCSDARTKQLRQLLEKVQNSQSIEVLDRTQRDLQYVEKMENQMKGLSKFKQ
VEESHKQHLARQFKAIKAKMDELRLPLIPVLEEYKADAKLVLQFKEEVQNLTSVLNELQEEIGAYDYDEL
QSRVSNLEERLRACMQKLACGKLTGISDPVTVKTSGRFSGWMTDPLAPEGDNRVWYMDGYHNNRFVRE
YKSMVDFMNTDNFTSHRPLPHWSTGQVVYNGSIYFNKQSHIIIRFDLKTETILKTRSLDYAGYNNMY
HYAWGGHSDIDLMDVDESLWAVYATNQAGNIIVSRLDPVSLQTLQTWNTSYPKRSAGEAFIICGTLVY
TNGYSGGTVHYAYQTNASTYEYIDIPFQNKYSHISMLDYNPKDRALYAWNNGHQILYNVTLFHVIRSD
EL
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TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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).

RefSeq: [NM_001282611.2](#)

RefSeq Size: 2791 bp

RefSeq ORF: 1458 bp

Locus ID: 10439

UniProt ID: [Q99784](#)

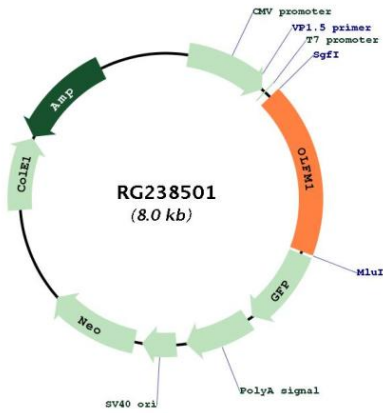
Cytogenetics: 9q34.3

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]

Product images:



Circular map for RG238501