

## Product datasheet for **SC109498**

### **NOVA1 (NM\_006491) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NOVA1 (NM_006491) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOVA1
Synonyms:	Nova-1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109498 sequence for NM_006491 edited (data generated by NextGen Sequencing) ATGATGGCGGCAGCTCCCATCCAGCAGAACGGGACCCACACTGGGGTCCCATAGACCTG GACCCGCGGACTCGCGAAAAGCCGCTGGAAGCCCCCTGAAGCCGGCAGCACCAAG AGGACCAATACGGGCGAAGACGGCCAGTATTTTCTAAAGTTCTCATACCTAGTTATGCT GCTGGATCTATAATTGGGAAGGGAGGACAGACAATTGTTCAAGTTGCAAAAAGAACTGGA GCCACCATCAAGCTGTCTAAGTCCAAAGATTTTTACCCAGGTAAGTACTGAGCGAGTGTGC TTGATCCAGGGAACGGTTGAAGCACTGAATGCAGTTCATGGATTTCATTGCAGAAAAAATT CGAGAAATGCCCAAAATGTGGCCAAGACAGAACCAGTCAGCATTCTACAACCCAGACC ACCGTTAATCCAGATCGCATCAAACAAACATTGCCATCTTCCCAACTACCACCAAGTCC TCTCCATCTGATCCCATGACCACCTCCAGAGCTAATCAGAAGCATAATATCTCTGGATA TCATGA

Clone variation with respect to NM\_006491.2



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006491 unedited            GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAAAAAGCCAAAAACA            AAGGGAGAACCTTCTCCCGGTAGCAGCGGCAGGAACTGCAAACATGATGGCGGCAGCTCC            CATCCAGCAGAACGGGACCCACACTGGGGTTCCCATAGACCTGGACCCGCCGGACTCGCG            GAAAAGGCCGCTGGAAGCCCCCTGAAGCCGGCAGCACCAGAGGACCAATACGGGCGA            AGACGGCCAGTATTTCTAAAGGTTCTCATACCTAGTTATGCTGCTGGATCTATAATTGG            GAAGGGAGGACAGACAATTGTTTCAGTTGCAAAAAGAAACTGGAGCCACCATCAAGCTGTC            TAAGTCCAAAGATTTTTACCCAGTACTACTGAGCGAGTGTGCTTGATCCAGGGAACGGT            TGAAGCACTGAATGCAGTTCATGGATTCATTGCAGAAAAAATTCGAGAAATGCCCAAAA            TGTGGCCAAGACAGAACCAGTCAGCATTCTACAACCCAGACCACCGTTAATCCAGATCG            CATCAAACAAACATTGCCATCTTCCCAACTACCACCAAGTCCTCTCCATCTGATCCCAT            GACCACCTCCAGAGCTAATCAGGTACAGTATCATCCTGTCATCTACACCATACTTTTCAC            GGGTGATTGCCTGCAAACCTGGAGAAAAAGATAATGGTGGGTTAAGGATTTATTCTGTTCA            TCACATATATGCACCATAGTCAGATTCCAATAACCTAAGAAAGAAATATCAATTATTTTC            TAAAAATTTATATGCATTTTTAATTTAGATAACAATACTATATTTCAGATATAAACTACTCT            AATNNNTTATATNTTCCCTAAAATTGACTACCTATGGGAGCACTGAGCCTATTATGAAT            GGTATTNTTATCTCCCTAT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006491 unedited            GCCCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTAGTTTTCCGTATTTTT            ATTTTTGGTTTTCTGAATATTGACAGTCCATTAGTTCTTTTCATTACAATTAGCTTAAGA            TGATCATATTAACCTATTTCTTATCTTGGTTATATACTTCCAGATATAAGTCAGTAT            AGCAAAGCTAAAATAATCAGGACTATTGACAAGAAACAAATGAACAACAAAAACACATT            TCCTTCTGCCCTACCACATGATTAGAATCTACTGGAAAATACTGTTGGGAGAAAATAAT            TACAAAGTATTAATAATATGAAAGATTGATGATTACAATCTTTCAATGAATTACGGATT            TTGTTTTGTTCTTCTTATATCTTGCCTCATGATATCCAGGAGATATTATGCTTCTTTG            TACAAGAACAGAAAGAAAACAGAGTATAAGTAACAATATAACAGAGTATAGTGGACAGAA            ATAAAATTACAAATGACTTATTTTCAAAATAGCAAAATTTAGATTTGGCAAGGGTAA            TGTAGCACTTTATCTAGAGGGTGAATAACAACATTAGTAACTAAAATATAAANTTTG            CCTTTTAAAGAAACCATTTTATAAAGATTACAAAGTTCATATAAGAATAAATGAAAGAAA            ATACAAATTTAGCTTCAAAGGCAAAATTTAAGGGAGGTTTTCTTTTCTAGATCCAAGG            TTNTTTTACCTTGAGAAAATCATTTCGTTTTATTGATTGGGAATGGNNGTTGGNCAGG            NTTTACATTTGGAAAAGNNACTGACATNAAGTACANAAGAAATTTNAAAAACAAAATCA            GTGGGTTTCTAAAGTTNNTATACCATATATAAAGTATAAGCCAAGGTTGTAAGTAA            AAGTAAGTTACTTTTAACTTATGCATTGTATCAGC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006491
<b>Insert Size:</b>	2770 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).

**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\\_006491.2](#), [NP\\_006482.1](#)

**RefSeq Size:** 1210 bp

**RefSeq ORF:** 546 bp

**Locus ID:** 4857

**UniProt ID:** [P51513](#)

**Cytogenetics:** 14q12

**Domains:** KH

**Gene Summary:** This gene encodes a neuron-specific RNA-binding protein, a member of the Nova family of paraneoplastic disease antigens, that is recognized and inhibited by paraneoplastic antibodies. These antibodies are found in the sera of patients with paraneoplastic opsoclonus-ataxia, breast cancer, and small cell lung cancer. Alternatively spliced transcripts encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 3' coding region, and differs in the 3' UTR, compared to variant 1. The resulting protein (isoform 3) is shorter and has a distinct C-terminus, compared to isoform 1.