

Product datasheet for SC111659

NOVA1 (NM_002515) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOVA1 (NM_002515) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOVA1
Synonyms:	Nova-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002515, the custom clone sequence may differ by one or more nucleotides

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ATGATGGCGCAGCTCCCATCCAGCAGAACGGGACCCACACTGGGGTTCATAGACCTGGACCCGCCG
ACTCGCGGAAAAGGCCGCTGGAAGCCCCCCTGAAGCCGGCAGCACCAAGAGGACCAATACGGGCGAAGA
CGGCCAGTATTTCTAAAGGTTCTCATACCTAGTTATGCTGCTGGATCTATAATTGGGAAGGGAGGACAG
ACAATTGTTTCAGTTGCAAAAAGAACTGGAGCCACCATCAAGCTGTCTAAGTCCAAGATTTTTACCCAG
GTACTACTGAGCGAGTGTGCTTGATCCAGGGAACGGTTGAAGCACTGAATGCAGTTCATGGATTCATTGC
AGAAAAAATTCGAGAAATGCCCAAAATGTGGCAAGACAGAACCAGTCAGCATTCTACAACCCAGACC
ACCGTTAATCCAGATCGCATCAAACAAACATTGCCATCTCCCAACTACCACCAAGTCTCTCCATCTG
ATCCCATGACCACCTCCAGAGCTAATCAGGTAAGATTATAGTTCCCAACAGCACAGCAGGCTGATAAT
AGGGAAGGGAGGTGCTACTGTGAAGGCTGTAATGGAGCAGTCAGGGGCTTGGGTGCAGCTTTCCAGAAA
CCTGATGGGATCAACTTGCAAGAGAGGGTTGTCACTGTGAGTGGAGAACCCTGAACAAAACCGAAAAGCTG
TTGAECTATCATCCAGAAGATACAAGAGGATCCACAAAGTGGCAGCTGTCTCAATATCAGTTATGCCAA
TGTGACAGGTCCAGTGGCAAATTCATCCAAACCGGATCTCCTTATGCAAACTGCTGAAGTGTACCA
ACTGCTGCAGCAGCTGCAGGGCTATTAGGACATGCTAACCTTGTGGCGTTGCAGCCTTCCAGCAGTTT
TATCTGGCTTACAGGCAATGACCTGGTGGCCATCACCTCTGCACTTAATACATTAGCCAGCTATGGATA
TAATCTCAACACTTTAGGTTTAGGTCTCAGTCAAGCAGCAGCAACAGGGGCTTGGTGCAGCAGCTGCC
AGTGCCAACCCAGCAGCAGCAGCAAGCAATTTATTGGCCACCTATGCCAGTGAAGCCTCAGCCAGTGGCA
GCACAGCTGGTGGTACGGCGGGGACATTTGCATTAGGTAGCCTGGCTGCTGCTACTGCTGCAACCAATGG
ATATTTTGGAGCTGCTTCTCCCCTAGCTGCCAGTGCCATTCTAGGAACAGAAAAGTCCACAGATGGATCC
AAGGATGTAGTTGAAATAGCAGTGCCAGAAAACCTTAGTTGGTGAATACTTGGCAAAGGAGGGAAAAACAT
TAGTGAATACCAGGAGTTGACTGGTGAAGGATACAGATCTCCAAAAAGGAGAATTCGTACCTGGCAC
AAGGAATCGGAAGGTAACCATTACTGGAACACCAGCTGCAACACAGGCTGCTCAATTTAATTACAAA
AGGATCACATATGAGCAAGGAGTTCGGGCTGCCAATCCTCAGAAAGTGGGTTGA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002515 unedited</p> <pre> NGTCGGATTTGTATACGACTTACTATAGGGCGGCCGGAATTCGCACGAGGAAAAAGAA AAAGAAAAAGAAAGCCAAAAACAAAGGGAGAACCTTCTCCCGGTAGCAGCGGCAGGAACTGC AAACATGATGGCGGCAGCTCCCATCCAGCAGAACGGGACCCACACTGGGGTTCCCATAGA CCTGGACCCGCGGACTCGCGGAAAAGGCCGCTGGAAGCCCCCTGAAGCCGGCAGCAC CAAGAGGACCAATACGGGCGAAGACGGCCAGTATTTCTAAAGTTCTCATACCTAGTTA TGCTGCTGGATCTATAATTGGGAAGGGAGGACAGACAATTGTTTCAGTTGCAAAAAGAAAC TGGAGCCACCATCAAGCTGTCTAAGTCCAAAGATTTTTACCAGGTACTACTGAGCGAGT GTGCTTGATCCAGGGAACGGTTGAAGCACTGAATGCAGTTCATGGATTCAATGCAGAAAA AATTCGAGAAATGCCCAAAATGTGGCCAAGACAGAACCAGTCAGCATTCTACAACCCCA GACCACCGTTAATCCAGATCGCATCAAACAAACATTGCCATCTTCCCAACTACCACCAA GTCCTCTCCATCTGATCCCATGACCACCTCCAGAGCTAATCAGGTAAAGATTATAGTTCC CAACAGCACAGCAGGTCTGATAATAGGGAAGGGAGGTGCTACTGTGANAGCTGTAATGGA GCAGTCAGGGGCTTGGGTGCAGCTNTCCAGAAACCTGATGGGATCAACTTTCAGAGAA GGTTGTCAGTGTGAGTGGAGAACCTGAACANAACCGAAAGCTGNTGAAACTATCATCCAG AAGATACAGAGGATCCACANAGTGGCAGCTGTCTCATATCAGTTATGCCATGGTGACAGG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002515 unedited</p> <pre> GCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTACATGATGAACTAAGCA CATTTATAATGATAAAATGAGTAAATATAATAGCGGCAATGCTAACCAGTATTCCACGA GATACACTATTTGTCAAAACTTACACAGCTACAGAGTATCGACGATAAATAGTCATTACC AATTAACACAGTTTACTACAGCTTTTCTTTTCATTTAAACAAGCATATCATTCCCTTTT AAAATCATTTCTAAATAAATATTTAGAGATAGAGAACTCTAAATGAAATAACAGTCCAA TGTTAAAAAATAAAAAAAAAAAAAAAAAATGAGTCTACTCTTACAGTTTGACAGAAATGAATT ATTAATAGTGGAAGGGGAAGGGATCAGGAAATAATTTCAAGTTCTCAATGTCCAAAAGTA AATTGCACAGTAAATCAATATGAAATGAAGAGTCCATATAGTTCAATGAACAAAAGGGAA AGTTTCATGAGGACAAAGATCACAGTTCAGAGAGAGGCTGGACGAAATTCAGACATGGAGC ATCACACTCATTGGTCTTTAATTGGCTGCCCAGAAAGGACCAGCTGGATGCCATTTAACT TGCTAGGATGGACGTAATTCATGGGGTAAAAGTTGAACTGAAGTAACTCCCTTTTTGTG ATTTCAGTTGGTCAGCCAGATGACCCAGAGGGAGTCCGCCTTTTATTTTCGCCCATGGATT TAAGACTGCTTGCCACATGAGGAGGGGCTTGGGATGGATGCCCTATGAGGGGCTGG GTGGGCAAAATTACGAGTTTACACAGGGGGGTAAAAGGCCCGGACAGTTGGCCTCCGGAA AGTACACAAAGGGGAACCTGTCCGTTTTGGAACAAGTTTTCTTTGAAAGACCGGACAAA GCCTGAAAAGAGAAAACTTCTTCCAAACAAGTGGCTTTTCAGAACCTGTGGGAATC GGCG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002515
Insert Size:	3750 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:

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_002515.2](#), [NP_002506.2](#)

RefSeq Size: 3918 bp

RefSeq ORF: 1524 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 (1) encodes the longest isoform (1).