

# Recombinant Human NOVA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NOVA1-3608H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NOVA1 MS Standard C13 and N15-labeled recombinant protein (NP_002506) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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.                                                                                         |
| <b>Molecular Mass</b>   | 51.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MMAAAPIQQNGTHTGVPIDLDPPDSRKRPLEAPPEAGSTKRTNTGEDGQYFLKVLIP<br>SYAAGSIIGKGGQTIVQLQKETGATIKLSKSKDFYPGTTERVCLIQGTVEALNAVHGF<br>AEKIREMPQNVAKTEPVLSILQPQTTVNPDRKQTLPSPTTTKSSPSDPMTTSRANQ<br>VKIIVPNSTAGLIIGKGGATVKAVMEQSGAWVQLSQKPDGINLQERVVTVSGEPEQN<br>RKAVELIIQKIQEDPQSGSCLNISYANVTGPVANSNPTGSPYANTA EVLPTAAAAAGL<br>LGHANLAGVAAFPVLSGFTGNDLVAITSALNTLASYGYNLNTLGLGLSQAAATGAL<br>AAAAASANPAAAAANLLATYASEASASGSTAGGTAGTFALGSLAAATAATNGYFGA<br>ASPLAASAILGTEKSTDGSKDVVEIAVPENLVGAILGKGGKTLVEYQELTGARIQISKK |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | GEFVPGTRNRKVTITGTPAATQAAQYLITQRITYEQGVRAANPQKVGTRTRPLEQKLI<br>SEEDLAANDILDYKDDDDKV         |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NOVA1 neuro-oncological ventral antigen 1 [ Homo sapiens (human) ]                                                                                                          |
| <b>Official Symbol</b> | NOVA1                                                                                                                                                                       |
| <b>Synonyms</b>        | NOVA1; neuro-oncological ventral antigen 1; RNA-binding protein Nova-1; paraneoplastic Ri antigen; onconeural ventral antigen 1; ventral neuron-specific protein 1; Nova-1; |
| <b>Gene ID</b>         | 4857                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_002515                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_002506                                                                                                                                                                   |
| <b>MIM</b>             | 602157                                                                                                                                                                      |

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UniProt ID

P51513

SDS-PAGE

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