

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

Cat. No. NOVA1-4417H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NOVA1 MS Standard C13 and N15-labeled recombinant protein (NP_006480) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	49.1 kDa
AA Sequence	MMAAAPIQQNGTHTGVPIDLDPPDSRKRPLEAPPEAGSTKRTNTGEDGQYFLKVLIP SYAAGSIIGKGGQTIVQLQKETGATIKLSKSKDFYPGTTERVCLIQGTVEALNAVHGFI AEKIREMPQNVAKTEPVSILQPQTTPNPDRKQVKIIVPNSTAGLIIGKGGATVKAVME QSGAWVQLSQKPDGINLQERVVTVSGEPEQNRKAVELIIQKIQEDPQSGSCLNISYA NVTGPVANSNPTGSPYANTAIEVLPTAAAAAGLLGHANLAGVAAFPVLSGFTGNDL VAITSALNTLASYGYNLNTLGLGLSQAAATGALAAAAASANPAAAAANLLATYASEAS ASGSTAGGTAGTFALGSLAAATAATNGYFGAASPLAASAILGTEKSTDGSKDVVEIA VPENLVGAILGKGGKTLVEYQELTGARIQISKKGEFVPGTRNRKVTITGTPAATQAAQ

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YLITQRITYEQGVRAANPQKVGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

GENE INFORMATION

Gene Name	NOVA1 neuro-oncological ventral antigen 1 [Homo sapiens (human)]
Official Symbol	NOVA1
Synonyms	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;
Gene ID	4857
mRNA Refseq	NM_006489
Protein Refseq	NP_006480
MIM	602157

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UniProt ID

P51513

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