Recombinant Mouse Nova1 Protein, Myc/DDK-tagged

Cat. No. Nova1-4465M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length neuro-oncological ventral antigen 1 (Nova1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions to regulate alternative splicing in neurons by binding pre-mRNA in a sequence-specific manner to activate exon inclusion. It binds specifically to the sequence UCAUY. Most likely acts to activate the inclusion of exon E3A in the glycine receptor alpha-2 chain and of exon E9 in gamma-aminobutyric-acid receptor gamma-2 subunit via a distal downstream UCAU-rich intronic splicing enhancer.
Molecular Mass	51.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	Nova1 NOVA alternative splicing regulator 1 [Mus musculus (house mouse)]
Official Symbol	Nova1
Synonyms	NOVA1; neuro-oncological ventral antigen 1; RNA-binding protein Nova-1; ventral neuron-specific protein 1; Nova-1; G630039L02; 9430099M15Rik
Gene ID	664883
mRNA Refseq	NM_021361
Protein Refseq	NP_067336
UniProt ID	Q9JKN6

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