RNA-Binding Protein Nova-1 (NOVA1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA-binding protein Nova-1 (Nova1), Recombinant Protein
Full Product Name	Recombinant Mouse RNA-binding protein Nova-1 (Nova1)
Product Gene Name	Nova1 recombinant protein
Product Synonym Gene Name	Nova1
Sequence	MMAAAPIQQN GTHTGVPIDL DPPDSRKRPL EAPPEAGSTK RTNTGEDGQY FLKVLIPSYA AGSIIGKGGQ TIVQLQKETG ATIKLSKSKD FYPGTTERVC LIQGTIEALN AVHGFIAEKI REMPQNVAKT EPVSILQPQT TVNPDRIKQT LPSSPTTTKS SPSDPMTTSR ANQVKIIVPN STAGLIIGKG GATVKAIMEQ SGAWVQLSQK PDGINLQERV VTVSGEPEQN RKAVELIIQK IQEDPQSGSC LNISYANVTG PVANSNPTGS PYANTAEVLP TAAAAAGLLG HANLAGVAAF PAVLSGFTGN DLVAITSALN TLASYGYNLN TLGLGLSQAA ATGALAAAAA SANPAAAAAN LLATYASEAS ASGSTAGGTA GTFALGSLAA ATAATNGYFG AASPLAASAI LGTEKSTDGS KDVVEIAVPE NLVGAILGKG GKTLVEYQEL TGARIQISKK GEFVPGTRNR KVTITGTPAA TQAAQYLITQ RITYEQGVRA ANPQKVG
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	51,756 Da
Sequence Positions	1-507aa; Full Length Protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9JKN6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Nova1 recombinant protein	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.
Other Notes	Small volumes of Nova1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Nova1 purchase	MBS1338465 is a recombinant protein targeting Nova1. Also known as Recombinant Mouse RNA-binding protein Nova-1 (Nova1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Nova1. It may not necessarily be applicable to this product.

NCBI GI #	256017197
NCBI GeneID	664883
NCBI Accession #	NP_067336.1
UniProt Primary Accession #	Q9JKN6
UniProt Secondary Accession #	Q8C8B9
UniProt Related Accession #	Q9JKN6
GenBank Nucleotide #	NM_021361.1
NCBI Official Full Name	RNA-binding protein Nova-1
NCBI Official Synonym Full Names	neuro-oncological ventral antigen 1
NCBI Official Symbol	Nova1
NCBI Official Synonym Symbols	Nova-1; G630039L02; 9430099M15Rik
UniProt Protein Name	RNA-binding protein Nova-1
UniProt Synonym Protein Names	Neuro-oncological ventral antigen 1; Ventral neuron-specific protein 1
Protein Family	RNA-binding protein
UniProt Gene Name	Nova1
NCBI Protein Information	RNA-binding protein Nova-1
UniProt Comments for Nova1	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.
Research Articles on Nova1	**1.** Together, these results demonstrate that the production of DCC splice variants controlled by NOVA has a crucial function during many stages of commissural neuron development.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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