Gem-Associated Protein 6 (GEMIN6) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Gem-associated protein 6 (Gemin6), Recombinant Protein
Full Product Name	Recombinant Mouse Gem-associated protein 6 (Gemin6)
Product Gene Name	Gemin6 recombinant protein
Product Synonym Gene Name	Gemin6
Sequence	MSEWMKKSPL EWEDYVYKEV RVIACEKEYK GWLLTTDPVS ANIVLVNFLE DGRLSVTGIM GHSVQTVETI SEGDHRVREK LMHVFASGDC KGYSPEDLEE KRTSLKKWLE KNHIPVTEQG DAQRTLCVAG VLTIDPPYAP ENCSSSNEII LSRIQDLIQG HLSASQ
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	18,750 Da
Sequence Positions	1-166, 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 Q9CX53
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Gemin6 recombinant protein	MBS1446475 is a recombinant protein targeting Gemin6. Also known as Recombinant Mouse Gem-associated protein 6 (Gemin6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Gemin6 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Gemin6. It may not necessarily be applicable to this product.

NCBI GI #	21313050
NCBI GeneID	67242
NCBI Accession #	NP_080329.1
UniProt Primary Accession #	Q9CX53
UniProt Secondary Accession #	Q3TIW7; Q9CQI0; Q9CXC5
UniProt Related Accession #	Q9CX53

GenBank Nucleotide #	NM_026053.4
NCBI Official Full Name	gem-associated protein 6
NCBI Official Synonym Full Names	gem nuclear organelle associated protein 6
NCBI Official Symbol	Gemin6
NCBI Official Synonym Symbols	2610019B15Rik; 2810470M17Rik
UniProt Protein Name	Gem-associated protein 6
Protein Family	Gem-associated protein
UniProt Gene Name	Gemin6
UniProt Synonym Gene Names	Gemin-6
NCBI Protein Information	gem-associated protein 6
UniProt Comments for Gemin6	The SMN complex plays a catalyst role in the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. Dissociation by the SMN complex of CLNS1A from the trapped Sm proteins and their transfer to an SMN-Sm complex triggers the assembly of core snRNPs and their transport to the nucleus ().
Research Articles on Gemin6	**1.** Gemin8 has an essential role in the proper structural organization of the SMN complex and the involvement of the heteromeric subunit containing Gemin6, Gemin7, Gemin8, and Unrip in the recruitment of Sm proteins to the snRNP assembly pathway
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/gem-associated-protein-6-gemin6/1446475