Katanin P60 Atpase-Containing Subunit A-Like 1 (KATNAL1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Katanin p60 ATPase-containing subunit A-like 1 (Katnal1), Recombinant Protein
Full Product Name	Recombinant Rat Katanin p60 ATPase-containing subunit A-like 1 (Katnal1)
Product Gene Name	Katnal1 recombinant protein
Product Synonym Gene Name	Katnal1
Sequence	MNLAEICENA KKGREYALLG NYDSSMVYYQ GVIQQIQRHC QSLRDPATKA KWQQVRQELL EEYEQVKSIV STLESFKMDK PPDFPVSCRD EPFRDPAVWP PPVPAEHRAP PQIRRPNREV RPLRKDMGAG ARGLVGRAHQ ISKSDKAASR DKDYRARGRD DKARKNMQDG ASDGEIPKFD GAGYDKDLVE ALERDIVSRN PSIHWDDIAD LEEAKKLLRE AVVLPMWMPD FFKGIRRPWK GVLMVGPPGT GKTMLAKAVA TECGTTFFNV SSSTLTSKYR GESEKLVRLL FEMARFYAPT TIFIDEIDSI CSRRGTSDEH EASRRVKSEL LIQMDGVGGA LENDDPSKMV MVLAATNFPW DIDEALRRRL EKRIYIPLPT AKGRAELLKI SLREVELDPD IHLEDIAEKT EGYSGADITN ICRDASLMAM RRRINGLSPE EIRALSKEEL QMPVTRGDLE LALKKIAKSV SAADLEKYEK WMVEFGSA
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	55,201 Da
Sequence Positions	1-488, 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 Q5XIK7
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Katnal1 recombinant protein	MBS1285162 is a recombinant protein targeting Katnal1. Also known as Recombinant Rat Katanin p60 ATPase-containing subunit A-like 1 (Katnal1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Katnal1 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 Katnal1. It may not necessarily be applicable to this product.

NCBI GI #	55741540
NCBI GeneID	288449
NCBI Accession #	NP_001006957.1
UniProt Primary Accession #	Q5XIK7

UniProt Related Accession #	Q5XIK7
GenBank Nucleotide #	NM_001006956.1
NCBI Official Full Name	katanin p60 ATPase-containing subunit A-like 1
NCBI Official Synonym Full Names	katanin p60 subunit A-like 1
NCBI Official Symbol	Katnal1
UniProt Protein Name	Katanin p60 ATPase-containing subunit A-like 1
UniProt Synonym Protein Names	p60 katanin-like 1
Protein Family	Katanin p60 ATPase-containing
UniProt Gene Name	Katnal1
UniProt Synonym Gene Names	Katanin p60 subunit A-like 1
NCBI Protein Information	katanin p60 ATPase-containing subunit A-like 1
UniProt Comments for Katnal1	Regulates microtubule dynamics in Sertoli cells, a process that is essential for spermiogenesis and male fertility. Severs microtubules in an ATP-dependent manner, promoting rapid reorganization of cellular microtubule arrays (). Has microtubule-severing activity in vitro ().
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