Adenylyl Cyclase-Associated Protein 2 (CAP2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenylyl cyclase-associated protein 2 (Cap2), Recombinant Protein
Full Product Name	Recombinant Mouse Adenylyl cyclase-associated protein 2 (Cap2)
Product Gene Name	Cap2 recombinant protein
Product Synonym Gene Name	Cap2
Sequence	TDMAGLMERL ERAVIRLEQL SAGLDGPPRG CGEVNGVNGG VAPSVEAFDK LINSMVAEFL KNSRVLAGDV ETHAEMVHGA FQAQRAFLLM VSQYQQPQEN EVAVLLKPIS EKIQEIQTFR ERNRGSNMFN HLSAVSESIA ALGWIAVSPK PGPYVKEMND AATFYTNRVL KDYKHSDLRH VDWVRSYLNI WSELQAYIRE HHTTGLTWSK TGPVASTASA FSILSSGPGL PPPPPPPPPP GPPPPFENED KKEEPSPSRS ALFAQLNQGE AITKGLRHVT DDKKTYKNPS LRAQGQIRSP TKTHTPSPTS PKSNSPQKHT PVLELEGKKW RVEYQEDRND LVISETELKQ VAYIFKCDKS TLQIKGKVNS ITVDNCKKFG LVFDHVVGIV EVINSKDIQI QVMGRVPTIS INKTEGCHLY LSEDALDCEI VSAKSSEMNV LVPQDDDYRE FPIPEQFKTI WDGSKLVTEP AEIMA
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	52,862 Da
Sequence Positions	2-476, 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 Q9CYT6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cap2 recombinant protein	This gene was identified by its similarity to the gene for human adenylyl cyclase-associated protein. The function of This protein is unknown. However, the protein appears to be able to interact with adenylyl cyclase-associated protein and actin.
Other Notes	Small volumes of Cap2 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 Cap2 purchase	MBS1408385 is a recombinant protein targeting Cap2. Also known as Recombinant Mouse Adenylyl cyclase-associated protein 2 (Cap2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cap2. It may not necessarily be applicable to this product.

NCBI GI #	13385554

NCBI GeneID	67252
NCBI Accession #	NP_080332.1
UniProt Primary Accession #	Q9CYT6
UniProt Secondary Accession #	Q80YU7; Q9D6L0
UniProt Related Accession #	Q9CYT6
GenBank Nucleotide #	NM_026056.4
NCBI Official Full Name	adenylyl cyclase-associated protein 2
NCBI Official Synonym Full Names	CAP, adenylate cyclase-associated protein, 2 (yeast)
NCBI Official Symbol	Cap2
NCBI Official Synonym Symbols	AV045235; 2810452G09Rik
UniProt Protein Name	Adenylyl cyclase-associated protein 2
Protein Family	Adenylyl cyclase-associated protein
UniProt Gene Name	Cap2
UniProt Synonym Gene Names	CAP 2
NCBI Protein Information	adenylyl cyclase-associated protein 2
UniProt Comments for Cap2	May have a regulatory bifunctional role.
Research Articles on Cap2	**1.** These studies establish a direct role for CAP2 and actin dynamics in sudden cardiac death and cardiac conduction disease.
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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