Ap-3 Complex Subunit Mu-1 (AP3M1) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	AP-3 complex subunit mu-1 (AP3M1), Recombinant Protein
Full Product Name	Recombinant Bovine AP-3 complex subunit mu-1 (AP3M1)
Product Gene Name	AP3M1 recombinant protein
Product Synonym Gene Name	AP3M1
Sequence	MIHSLFLINC SGDIFLEKHW KSVVSQSVCD YFFEAQEKAA DVENVPPVIS TPHHYLISIY RDKLFFVSVI QTEVPPLFVI EFLHRVADTF QDYFGECSEA AIKDNVVIVY ELLEEMLDNG FPLATESNIL KELIKPPTIL RSGVNSITGS SNVGDTLPTG QLSNIPWRRA GVKYTNNEAY FDVVEEIDAI IDKSGSTVFA EIQGVIDACI KLSGMPDLSL SFMNPRLLDD VSFHPCIRFK RWESERVLSF IPPDGNFRLI SYRVSSQNLV AIPVYVKHSI SFKENSSCGR FDITIGPKQN MGKTIEGITV TVHMPKVVLN MNLTPTQGSY TFDPVTKVLT WDVGKITPQK LPSLKGLVNL QSGAPKPEEN PSLNIQFKIQ QLAISGLKVN RLDMYGEKYK PFKGVKYVTK AGKFQVRT
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	46,897 Da
Sequence Positions	1-418, 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 Q24K11
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AP3M1 recombinant protein	This protein is the medium subunit of AP-3, which is an adaptor-related protein complex associated with the Golgi region as well as more peripheral intracellular structures. AP-3 facilitates the budding of vesicles from the Golgi membrane and may be directly involved in protein sorting to the endosomal lysosomal system. AP-3 is a heterotetrameric protein complex composed of two large subunits (delta and beta3), a medium subunit (mu3), and a small subunit (sigma 3). Mutations in one of the large subunits of AP-3 have been associated with the Hermansky-Pudlak syndrome, a genetic disorder characterized by defective lysosome-related organelles. Alternatively spliced transcript variants encoding the same protein have been observed.
Other Notes	Small volumes of AP3M1 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 AP3M1 purchase	MBS1370530 is a recombinant protein targeting AP3M1. Also known as Recombinant Bovine AP-3 complex subunit mu-1 (AP3M1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AP3M1. It may not necessarily be applicable to this product.

NCBI GI #	115496852
NCBI GeneID	514761
NCBI Accession #	NP_001069148.1
UniProt Primary Accession #	Q24K11
UniProt Related Accession #	Q24K11
GenBank Nucleotide #	NM_001075680.2
NCBI Official Full Name	AP-3 complex subunit mu-1
NCBI Official Synonym Full Names	adaptor related protein complex 3 mu 1 subunit
NCBI Official Symbol	AP3M1
UniProt Protein Name	AP-3 complex subunit mu-1
UniProt Synonym Protein Names	AP-3 adaptor complex mu3A subunit; Adaptor-related protein complex 3 subunit mu-1; Mu-adaptin 3A; Mu3A-adaptin
Protein Family	AP-3 complex
UniProt Gene Name	AP3M1
NCBI Protein Information	AP-3 complex subunit mu-1
UniProt Comments for AP3M1	Part of the AP-3 complex, an adaptor-related complex which is not clathrin-associated. The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals ().
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/ap-3-complex-subunit-mu-1-ap3m1/1370530