Sodium/Potassium-Transporting Atpase Subunit Beta-1 (ATP1B1) Macaca Fascicularis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sodium/potassium-transporting ATPase subunit beta-1 (ATP1B1), Recombinant Protein
Full Product Name	Recombinant Macaca fascicularis Sodium/potassium-transporting ATPase subunit beta-1 (ATP1B1), partial
Product Gene Name	ATP1B1 recombinant protein
Product Synonym Gene Name	ATP1B1
Sequence	ELKPTYQD RVAPPGLTQI PQIQKTEISF RPNDPKSYEA YVLNIVRFLE KYKDSAQRDD MIFEDCGDVP SEPKERGEFN HERGERKVCR FKLEWLGNCS GLNDETYGYK EGKPCIIIKL NRVLGFKPKP PKNESLETYP GMKYNANVLP VQCTGKRDED KEKIGNVEYF GLGNSPGFPL QYYPYYGKLL QPKYLQPLLA VQFTNLTMDT EIRIECKAYG ENIGYSEKDR FQGRFDVKIE VKS
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	35,001 Da
Sequence Positions	63-303
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 Q4R4V5
Species	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ATP1B1 recombinant protein	MBS1395534 is a recombinant protein targeting ATP1B1. Also known as Recombinant Macaca fascicularis Sodium/potassium-transporting ATPase subunit beta-1 (ATP1B1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ATP1B1 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 ATP1B1. It may not necessarily be applicable to this product.

NCBI GI #	548961161
NCBI GeneID	101866484
NCBI Accession #	NP_001272243.1

UniProt Primary Accession #	Q4R4V5
UniProt Related Accession #	Q4R4V5
GenBank Nucleotide #	NM_001285314.1
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit beta-1
NCBI Official Symbol	ATP1B1
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit beta-1
UniProt Synonym Protein Names	Sodium/potassium-dependent ATPase subunit beta-1
UniProt Gene Name	ATP1B1
NCBI Protein Information	sodium/potassium-transporting ATPase subunit beta-1
UniProt Comments for ATP1B1	This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na+ and K+ ions across the plasma membrane. The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane ().
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