Ap-4 Complex Subunit Sigma-1 (AP4S1) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	AP-4 complex subunit sigma-1 (AP4S1), Recombinant Protein
Full Product Name	Recombinant Bovine AP-4 complex subunit sigma-1 (AP4S1)
Product Gene Name	AP4S1 recombinant protein
Product Synonym Gene Name	AP4S1
Sequence	MIKFFLMVNK QGQTRLSKYY EHVEINKRTL LETEVIKSCL SRSNEQCSFI EYKDFKLIYR QYAALFIVVG VNDTENEMAI YEFIHNFVEV LDDYFSRVSE LDIMFNLDKV HIILDEMVLN GCIVETNRAR ILAPLLILDK MSDS
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	16,991 Da
Sequence Positions	1-144, 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 Q3ZBB6
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AP4S1 recombinant protein	MBS1310583 is a recombinant protein targeting AP4S1. Also known as Recombinant Bovine AP-4 complex subunit sigma-1 (AP4S1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AP4S1 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 AP4S1. It may not necessarily be applicable to this product.

NCBI GI #	94966994
NCBI GeneID	618267
NCBI Accession #	NP_001035693.1
UniProt Primary Accession #	Q3ZBB6
UniProt Related Accession #	Q3ZBB6
GenBank Nucleotide #	NM_001040603.2

NCBI Official Full Name	AP-4 complex subunit sigma-1
NCBI Official Synonym Full Names	adaptor related protein complex 4 sigma 1 subunit
NCBI Official Symbol	AP4S1
UniProt Protein Name	AP-4 complex subunit sigma-1
UniProt Synonym Protein Names	AP-4 adaptor complex subunit sigma-1; Adaptor-related protein complex 4 subunit sigma-1; Sigma-1 subunit of AP-4; Sigma-4-adaptin; Sigma4-adaptin
Protein Family	AP-4 complex
UniProt Gene Name	AP4S1
UniProt Synonym Gene Names	Sigma4-adaptin
NCBI Protein Information	AP-4 complex subunit sigma-1
UniProt Comments for AP4S1	Component of the adaptor protein complex 4 (AP-4). Adaptor protein complexes are vesicle coat components involved both in vesicle formation and cargo selection. They control the vesicular transport of proteins in different trafficking pathways. AP-4 forms a non clathrin-associated coat on vesicles departing the trans-Golgi network (TGN) and may be involved in the targeting of proteins from the trans-Golgi network (TGN) to the endosomal-lysosomal system. It is also involved in protein sorting to the basolateral membrane in epithelial cells and the proper asymmetric localization of somatodendritic proteins in neurons. AP-4 is involved in the recognition and binding of tyrosine-based sorting signals found in the cytoplasmic part of cargos, but may also recognize other types of sorting signal.
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