Ap-1 Complex Subunit Sigma-2 (ap1s2) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	AP-1 complex subunit sigma-2 (ap1s2), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum AP-1 complex subunit sigma-2 (ap1s2)
Product Gene Name	ap1s2 recombinant protein
Sequence	MTFHFLLLLS RQGKTRLTKW YSPFTNKEKS RFTREIGNMV LNRPPKLCNF LEWKEYKIIF KRYASLYFVV CCDREDNELI VLEIIHHFVE ILDRYFGNVC ELDLIFNFHK AYYILDELIM AGELQETSKK TVLRLISQQD TLLEGGPGEH KVDL
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	18,371 Da
Sequence Positions	1-154, 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 B0G185
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ap1s2 recombinant protein	MBS1134437 is a recombinant protein targeting ap1s2. Also known as Recombinant Dictyostelium discoideum AP-1 complex subunit sigma-2 (ap1s2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ap1s2 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 ap1s2. It may not necessarily be applicable to this product.

NCBI GI #	166240177
NCBI GeneID	8628284
NCBI Accession #	XP_001733048.1
UniProt Primary Accession #	B0G185
GenBank Nucleotide #	XM_001732996.1
NCBI Official Full Name	sigma adaptin
NCBI Official Symbol	ap1s2

UniProt Protein Name	AP-1 complex subunit sigma-2
UniProt Synonym Protein Names	Adaptor protein complex AP-1 subunit sigma-1B; Adaptor-related protein complex 1 subunit sigma-1B; Clathrin assembly protein complex 1 sigma-1B small chain; Sigma 1B subunit of AP-1 clathrin; Sigma-adaptin 1B; Sigma1B-adaptin
UniProt Gene Name	ap1s2
NCBI Protein Information	sigma adaptin
UniProt Comments for ap1s2	Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the trans-Golgi network (TGN) and endosomes. The AP complexes mediate the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules. Also involved in early steps of phagocytosis and macropinocytosis.
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