Probable Cytoplasmic Aconitate Hydratase (aco-1) Caenorhabditis Elegans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable cytoplasmic aconitate hydratase (aco-1), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis elegans Probable cytoplasmic aconitate hydratase (aco-1), partial
Product Gene Name	aco-1 recombinant protein
Product Synonym Gene Name	aco-1
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	96,660 Da
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 Q23500
Species	Caenorhabditis elegans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aco-1 recombinant protein	MBS1471608 is a recombinant protein targeting aco-1. Also known as Recombinant Caenorhabditis elegans Probable cytoplasmic aconitate hydratase (aco-1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of aco-1 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 aco-1. It may not necessarily be applicable to this product.

NCBI GI #	17568399
NCBI GeneID	181324
NCBI Accession #	NP_509898.1
UniProt Primary Accession #	Q23500
UniProt Related Accession #	Q23500
GenBank Nucleotide #	NM_077497.3
NCBI Official Full Name	Probable cytoplasmic aconitate hydratase
NCBI Official Symbol	aco-1

UniProt Protein Name	Probable cytoplasmic aconitate hydratase
UniProt Synonym Protein Names	Citrate hydro-lyase; Gex-3-interacting protein 22
UniProt Gene Name	aco-1
UniProt Synonym Gene Names	gei-22; Aconitase
NCBI Protein Information	Probable cytoplasmic aconitate hydratase
UniProt Comments for aco-1	Catalyzes the isomerization of citrate to isocitrate via cis-aconitate.
Research Articles on aco-1	**1.** biochemical characterization and regulation
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