N-Succinylglutamate 5-Semialdehyde Dehydrogenase (astD) Salmonella Heidelberg Recombinant Protein

PRODUCT OVERVIEW

Product Name	N-succinylglutamate 5-semialdehyde dehydrogenase (astD), Recombinant Protein
Full Product Name	Recombinant Salmonella heidelberg N-succinylglutamate 5-semialdehyde dehydrogenase (astD)
Product Gene Name	astD recombinant protein
Sequence	MTLWINGDWI TGQGERRRKT NPVSGEILWQ GNDANAAQVA EACQAARAAF PRWARQPFAA RQAIVEKFAV LLEAHKAELT EVIARETGKP RWEAATEVTA MINKIAISIK AYHARTGEQK SELVDGAATL RHRPHGVLAV FGPYNFPGHL PNGHIVPALL AGNTLIFKPS ELTPWTGETV IKLWERAGLP AGVLNLVQGG RETGQALSSL DDLDGLLFTG SASTGYQLHR QLSGQPEKIL ALEMGGNNPL IIEDVANIDA AVHLTLQSAF ITAGQRCTCA RRLLVKQGAQ GDAFLARLVD VAGRLQPGRW DDDPQSFIGG LISAQAAQHV MEAWRQREAL GGRTLLAPRK VKEGTSLLTP GIIELTGVAD VPDEEVFGPL LNVWRYAHFD EAIRLANNTR FGLSCGLVST DRAQFEQLLL EARAGIVNWN KPLTGAASTA PFGGVGASGN HRPSAWYAAD YCAWPMASLE SPELTLPATL SPGLDFSRRE AV
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	53,107 Da
Sequence Positions	1-492, Full length
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 B4TGE2
Species	Salmonella heidelberg (strain SL476)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for astD recombinant protein	MBS1236250 is a recombinant protein targeting astD. Also known as Recombinant Salmonella heidelberg N-succinylglutamate 5-semialdehyde dehydrogenase (astD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of astD 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 astD. It may not necessarily be applicable to this product.

NCBI GI #	446099437
NCBI Accession #	WP_000177292.1
UniProt Primary Accession #	B4TGE2
GenBank Nucleotide #	WP_000177292.1

NCBI Official Full Name	N-succinylglutamate 5-semialdehyde dehydrogenase
UniProt Protein Name	N-succinylglutamate 5-semialdehyde dehydrogenase
UniProt Synonym Protein Names	Succinylglutamic semialdehyde dehydrogenase
Protein Family	N-succinylglutamate 5-semialdehyde dehydrogenase
UniProt Gene Name	astD
UniProt Synonym Gene Names	SGSD
UniProt Comments for astD	Catalyzes the NAD-dependent reduction of succinylglutamate semialdehyde into succinylglutamate.
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.
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