5-Aminolevulinate Synthase, Mitochondrial (hem-1) Neurospora Crassa Recombinant Protein

PRODUCT OVERVIEW

Product Name	5-aminolevulinate synthase, mitochondrial (hem-1), Recombinant Protein
Full Product Name	Recombinant Neurospora crassa 5-aminolevulinate synthase, mitochondrial (hem-1), partial
Product Gene Name	hem-1 recombinant protein
Product Synonym Gene Name	hem-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	67,447 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 Q7RVY5
Species	Neurospora crassa (strain 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hem-1 recombinant protein	MBS1309082 is a recombinant protein targeting hem-1. Also known as Recombinant Neurospora crassa 5-aminolevulinate synthase, mitochondrial (hem-1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hem-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 hem-1. It may not necessarily be applicable to this product.

NCBI GI #	164425265
NCBI GeneID	3879149
NCBI Accession #	XP_963001.2
UniProt Primary Accession #	Q7RVY5
UniProt Related Accession #	Q7RVY5
GenBank Nucleotide #	XM_957908.3
NCBI Official Full Name	5-aminolevulinate synthase
NCBI Official Symbol	NCU06189

UniProt Protein Name	5-aminolevulinate synthase, mitochondrial
UniProt Synonym Protein Names	5-aminolevulinic acid synthase; Delta-ALA synthase; Delta-aminolevulinate synthase
UniProt Gene Name	alv-1
UniProt Synonym Gene Names	hem1
NCBI Protein Information	5-aminolevulinate synthase
UniProt Comments for hem-1	Catalyzes the synthesis of 5-aminolevulinate (ALA) from succinyl-CoA and glycine, the first and rate-limiting step in heme biosynthesis.
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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