Succinate-Semialdehyde Dehydrogenase [NADP (+)] 1 (gabD1) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Succinate-semialdehyde dehydrogenase [NADP (+)] 1 (gabD1), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Succinate-semialdehyde dehydrogenase [NADP (+)] 1 (gabD1)
Product Gene Name	gabD1 recombinant protein
Product Synonym Gene Name	gabD1
Sequence	MPIATINPAT GETVKTFTAA TDDEVDAAIA RAHRRFADYR QTSFAQRARW ANATADLLEA EADQAAAMMT LEMGKTLAAA KAEALKCAKG FRYYAENAEA LLADEPADAA KVGASAAYGR YQPLGVILAV MPWNFPLWQA VRFAAPALMA GNVGLLKHAS NVPQCALYLA DVIARGGFPD GCFQTLLVSS GAVEAILRDP RVAAATLTGS EPAGQSVGAI AGNEIKPTVL ELGGSDPFIV MPSADLDAAV STAVTGRVQN NGQSCIAAKR FIVHADIYDD FVDKFVARMA ALRVGDPTDP DTDVGPLATE QGRNEVAKQV EDAAAAGAVI RCGGKRLDRP GWFYPPTVIT DISKDMALYT EEVFGPVASV FRAANIDEAV EIANATTFGL GSNAWTRDET EQRRFIDDIV AGQVFINGMT VSYPELPFGG VKRSGYGREL SAHGIREFCN IKTVWIA
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	48,545 Da
Sequence Positions	1-457aa; 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 Q7U2I0
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gabD1 recombinant protein	MBS1324666 is a recombinant protein targeting gabD1. Also known as Recombinant Mycobacterium bovis Succinate-semialdehyde dehydrogenase [NADP (+)] 1 (gabD1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gabD1 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 gabD1. It may not necessarily be applicable to this product.

NCBI GI #	31791411
NCBI GeneID	1090988

NCBI Accession #	NP_853904.1
UniProt Primary Accession #	Q7U2I0
UniProt Secondary Accession #	A0A1R3XUW7; X2BEB3
GenBank Nucleotide #	NC_002945.3
NCBI Official Full Name	succinate-semialdehyde dehydrogenase
NCBI Official Symbol	gabD1
UniProt Protein Name	Succinate-semialdehyde dehydrogenase [NADP(+)] 1
Protein Family	Succinate-semialdehyde dehydrogenase
UniProt Gene Name	gabD1
UniProt Synonym Gene Names	SSADH 1; SSDH 1
NCBI Protein Information	succinate-semialdehyde dehydrogenase [nadp+] dependent (ssdh) gabd1
UniProt Comments for gabD1	Catalyzes the NADP+-dependent oxidation of succinate semialdehyde to succinate. It is believed to be the main source of succinate semialdehyde dehydrogenase activity in Mycobacterium ().
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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