Soluble Pyridine Nucleotide Transhydrogenase (sthA) Shigella Flexneri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Soluble pyridine nucleotide transhydrogenase (sthA), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri Soluble pyridine nucleotide transhydrogenase (sthA)
Product Gene Name	sthA recombinant protein
Product Synonym Gene Name	sthA
Sequence	MPHSYDYDAI VIGSGPGGEG AAMGLVKQGA RVAVIERYQN VGGGCTHWGT IPSKALRHAV SRIIEFNQNP LYSDHSRLLR SSFADILNHA DNVINQQTRM RQGFYERNHC EILQGNARFV DEHTLALDCP DGSVETLTAE KFVIACGSRP YHPTDVDFTH PRIYDSDSIL SMHHEPRHVL IYGAGVIGCE YASIFRGMDV KVDLINTRDR LLAFLDQEMS DSLSYHFWNS GVVIRHNEEY EKIESCDDGV IMHLKSGKKL KADCLLYANG RTGNTDSLAL QNIGLETDSR GQLKVNSMYQ TAQPHVYAVG DVIGYPSLAS AAYDQGRIAA QALVKGEATA HLIEDIPTGI YTIPEISSVG KTEQQLTAMK VPYEVGRAQF KHLARAQIVG MNVGTLKILF HRETKEILGI HCFGERAAEI IHIGQAIMEQ KGGGNTIEYF VNTTFNYPTM AEAYRVAALN GLNRLF
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	51,590 Da
Sequence Positions	1-466, 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 Q83MI1
Species	Shigella flexneri
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sthA recombinant protein	MBS1395138 is a recombinant protein targeting sthA. Also known as Recombinant Shigella flexneri Soluble pyridine nucleotide transhydrogenase (sthA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sthA 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 sthA. It may not necessarily be applicable to this product.

NCBI GI #	344915366
NCBI GeneID	1026046
NCBI Accession #	NP_709766.4

UniProt Primary Accession #	Q83MI1
UniProt Secondary Accession #	Q7UB94
GenBank Nucleotide #	NC_004337.2
NCBI Official Full Name	oxidoreductase
NCBI Official Symbol	udhA
UniProt Protein Name	Soluble pyridine nucleotide transhydrogenase
UniProt Synonym Protein Names	NAD(P)(+) transhydrogenase [B-specific]
Protein Family	Probable soluble pyridine nucleotide transhydrogenase
UniProt Gene Name	sthA
UniProt Synonym Gene Names	STH
NCBI Protein Information	oxidoreductase
UniProt Comments for sthA	Conversion of NADPH, generated by peripheral catabolic pathways, to NADH, which can enter the respiratory chain for energy generation.
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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