Isocitrate Dehydrogenase [NADP] (icd) Rickettsia Bellii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Isocitrate dehydrogenase [NADP] (icd), Recombinant Protein
Full Product Name	Recombinant Rickettsia bellii Isocitrate dehydrogenase [NADP] (icd)
Product Gene Name	icd recombinant protein
Product Synonym Gene Name	icd
Sequence	MAEFTPITIA YGDGIGPEIM EAVLYILRKA EARIRLETIE VGEKLYVKHY SSGISEQSWE SIERTGVILK APITTPQGGG YKSLNVTIRK TLQLFANIRP SVSFYPFTKT LHPNLNLTII RENEEDLYAG IEYRQTHNMY ESVKLISRTG CEKIIRYAFE YAVKNNRKKV TCLSKDNIMK FSDGIFHKVF NEIAKEYPQI NNEHYIIDIG TARLATKPEI FDVIVTSNLY GDIISDVAAE ISGSVGLAGS ANIGEHYAMF EAVHGSAPDI AGQDIANPSG LLNAAIMMLV HIGQGDIATL IENAWKKTIE DGMHTADIYN KDHSTKKVGT KEFAEEVVKR LGQKPEKLAK ADYPLVTKKQ ESNTTYKINT KEVKKLVGTD IFVGMNVASA HDIADKVNKL DIGNFELKTI SSKGLKLWPR DTRFETISDH WCCRFMAKDG VELKHLDITK LLETLSKANI DFIKVENLFE FDGAAGYSLA QGE
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	53,959 Da
Sequence Positions	1-483, 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 Q1RJU4
Species	Rickettsia bellii (strain RML369-C)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for icd recombinant protein	MBS1349655 is a recombinant protein targeting icd. Also known as Recombinant Rickettsia bellii Isocitrate dehydrogenase [NADP] (icd). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of icd 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 icd. It may not necessarily be applicable to this product.

NCBI GI #	499796247
NCBI Accession #	WP_011476981.1
UniProt Primary Accession #	Q1RJU4
GenBank Nucleotide #	WP_011476981.1

NCBI Official Full Name	isocitrate dehydrogenase
UniProt Protein Name	Isocitrate dehydrogenase [NADP]
UniProt Synonym Protein Names	IDP; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase
Protein Family	Isocitrate dehydrogenase
UniProt Gene Name	icd
UniProt Synonym Gene Names	IDH
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