CDGSH Iron-Sulfur Domain-Containing Protein 1 (CISD1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	CDGSH iron-sulfur domain-containing protein 1 (Cisd1), Recombinant Protein
Full Product Name	Recombinant Rat CDGSH iron-sulfur domain-containing protein 1 (Cisd1)
Product Gene Name	Cisd1 recombinant protein
Product Synonym Names	CDGSH iron-sulfur domain-containing protein 1; MitoNEET
Sequence	KKFYAKESR TKAMVNLQIQ KDNPKVVHAF DMEDLGDKAV YCRCWRSKKF PFCDGAHIKH NEETGDNVGP LIIKKKET
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	12,097 Da
Sequence Positions	32-108
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 B0K020
Species	Rattus norvegicus (Rat)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cisd1 recombinant protein	MBS1264355 is a recombinant protein targeting Cisd1. Also known as Recombinant Rat CDGSH iron-sulfur domain-containing protein 1 (Cisd1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Cisd1 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 Cisd1. It may not necessarily be applicable to this product.

NCBI GI #	157824004
NCBI GeneID	294362
NCBI Accession #	NP_001099855.1
UniProt Primary Accession #	B0K020
UniProt Related Accession #	B0K020
GenBank Nucleotide #	NM_001106385.2

NCBI Official Full Name	CDGSH iron-sulfur domain-containing protein 1
NCBI Official Synonym Full Names	CDGSH iron sulfur domain 1
NCBI Official Symbol	Cisd1
NCBI Official Synonym Symbols	MitoNEET; RGD1309529
UniProt Protein Name	CDGSH iron-sulfur domain-containing protein 1
UniProt Synonym Protein Names	MitoNEET
Protein Family	CDGSH iron-sulfur domain-containing protein
UniProt Gene Name	Cisd1
UniProt Entry Name	CISD1_RAT
NCBI Protein Information	CDGSH iron-sulfur domain-containing protein 1; CDGSH iron sulfur domain-containing protein 1
UniProt Comments for Cisd1	ZCD1: Plays a key role in regulating maximal capacity for electron transport and oxidative phosphorylation. May be involved in Fe-S cluster shuttling and/or in redox reactions. Belongs to the CISD protein family. Protein type: Mitochondrial; Membrane protein, integral Cellular Component: mitochondrial outer membrane; mitochondrion; integral to membrane Molecular Function: 2 iron, 2 sulfur cluster binding; metal ion binding Biological Process: regulation of cellular respiration
Research Articles on Cisd1	**1.** mito- NEET is an important iron-containing protein involved in the control of maximal mitochondrial respiratory rates [mitoNEET]
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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