Probable Cytosolic Iron-Sulfur Protein Assembly Protein CIAO1 (CIAO1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable cytosolic iron-sulfur protein assembly protein CIAO1 (Ciao1), Recombinant Protein
Full Product Name	Recombinant Rat Probable cytosolic iron-sulfur protein assembly protein CIAO1 (Ciao1)
Product Gene Name	Ciao1 recombinant protein
Product Synonym Gene Name	Ciao1
Sequence	MKDALVLQSR VPAHPDSRCW FLAWNPTGTL LASCGGDRKI RIWGTEGDSW ICKSVLSEGH QRTVRKVAWS PCGNYLASAS FDATTCIWKK NQDDFECVTT LEGHENEVKS VAWAPSGNLL ATCSRDKSVW VWEVDEEDEY ECVSVLNSHT QDVKHVVWHP SQELLASASY DDTVKLYQEE GDDWVCCATL EGHESTVWSI AFDPSGQRLA SCSDDRTVRI WRQYLPGNEQ GVACSGSDPS WKCVCTLSGF HTRTIYDVAW CQLTGALATA CGDDAIRVFE EDPGSDPQQP TFSLTAHLRQ AHSQDVNCVA WNPKEAGLLA SCSDDGEVAF WEYHQPAGL
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	37,618 Da
Sequence Positions	1-339, 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 Q5M7T1
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ciao1 recombinant protein	MBS1446418 is a recombinant protein targeting Ciao1. Also known as Recombinant Rat Probable cytosolic iron-sulfur protein assembly protein CIAO1 (Ciao1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ciao1 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 Ciao1. It may not necessarily be applicable to this product.

NCBI GI #	56912225
NCBI GeneID	29231
NCBI Accession #	NP_001008766.1
UniProt Primary Accession #	Q5M7T1

UniProt Related Accession #	Q5M7T1
GenBank Nucleotide #	NM_001008766.1
NCBI Official Full Name	probable cytosolic iron-sulfur protein assembly protein CIAO1
NCBI Official Synonym Full Names	cytosolic iron-sulfur assembly component 1
NCBI Official Symbol	Ciao1
NCBI Official Synonym Symbols	Wdr39
UniProt Protein Name	Probable cytosolic iron-sulfur protein assembly protein CIAO1
UniProt Synonym Protein Names	WD repeat-containing protein 39
Protein Family	Probable cytosolic iron-sulfur protein assembly protein
UniProt Gene Name	Ciao1
NCBI Protein Information	probable cytosolic iron-sulfur protein assembly protein CIAO1
UniProt Comments for Ciao1	Key component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins. Seems to specifically modulate the transactivation activity of WT1. As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation.
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