

Product datasheet for PH303308

CISD1 (NM_018464) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CISD1 MS Standard C13 and N15-labeled recombinant protein (NP_060934)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203308
Predicted MW:	12.2 kDa
Protein Sequence:	>RC203308 protein sequence Red=Cloning site Green=Tags(s) MSLTSSSSVRVEWIAAVTIAAGTAAIGYLAYKRFYVKDHRNKAMINLHIQKDNPKIVHAFDMEDLGDKAV YCRCWRSKKFPFCGHAHTKHNEETGDNVGPLIIKKKET TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060934
RefSeq Size:	2115
RefSeq ORF:	324
Synonyms:	C10orf70; MDS029; mitoNEET; ZCD1
Locus ID:	55847
UniProt ID:	Q9NZ45 , A0A024QZN7
Cytogenetics:	10q21.1



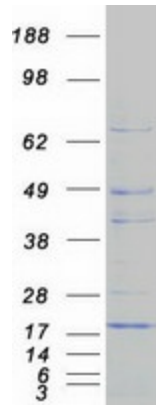
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Summary:

This gene encodes a protein with a CDGSH iron-sulfur domain and has been shown to bind a redox-active [2Fe-2S] cluster. The encoded protein has been localized to the outer membrane of mitochondria and is thought to play a role in regulation of oxidation. Genes encoding similar proteins are located on chromosomes 4 and 17, and a pseudogene of this gene is located on chromosome 2. [provided by RefSeq, Feb 2012]

Protein Families:

Transmembrane

Product images:

Coomassie blue staining of purified CISD1 protein (Cat# [TP303308]). The protein was produced from HEK293T cells transfected with CISD1 cDNA clone (Cat# [RC203308]) using MegaTran 2.0 (Cat# [TT210002]).