Datasheet for ABIN5711676

CHCHD4 Protein (AA 1-142, full length) (His-SUMO Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	CHCHD4
Protein Characteristics:	full length, AA 1-142
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHCHD4 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MSYCRQEGKD RIIFVTKEDH ETPSSAELVA DDPNDPYEEH GLILPNGNIN WNCPCLGGMA SGPCGEQFKS AFSCFHYSTE EIKGSDCVDQ FRAMQECMQK YPDLYPQEDE DEEEEREKKP AEQAEETAPI EATATKEEEG SS
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	CHCHD4
Alternative Name:	MIA40 (CHCHD4 Products)
Background:	Functions as chaperone and catalyzes the formation of disulfide bonds in substrate proteins, such as COX17. Required for the import and folding of small cysteine-containing proteins

Target Details

	(small Tim) in the mitochondrial intermbrane space (IMS). Precursor proteins to be imported into the IMS are translocated in their reduced form into the mitochondria. The oxidized form of CHCHD4/MIA40 forms a transient intermolecular disulfide bridge with the reduced precursor protein, resulting in oxidation of the precursor protein that now contains an intramolecular disulfide bond and is able to undergo folding in the IMS. Reduced CHCHD4/MIA40 is then reoxidized by GFER/ERV1 via a disulfide relay syst.
Molecular Weight:	32 kDa
UniProt:	Q8N4Q1

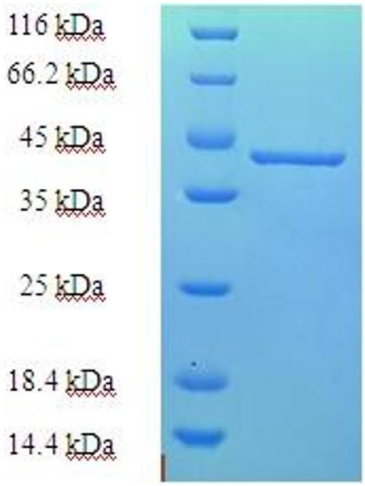
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.