

Recombinant Human CHCHD4 Protein (1-142 aa), His-SUMO-tagged

Cat. No. CHCHD4-1097H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHCHD4 Protein (1-142 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Transport. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-142 aa
Description	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 (small Tim) in the mitochondrial intermembrane 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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	32.0 kDa

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AA Sequence	MSYCRQEGKDRIIFVTKE DHETPSSAELVADDPNDPYEEHGLILPNGNINWNCPLG GMASGPCGEQFKSAFSCFHYSTEEIKGSDCVDQFRAMQECCMQKYPDLYPQEDEDE EEEREKKPAEQAEETA PIEATATKEEEGSS
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	CHCHD4 coiled-coil-helix-coiled-coil-helix domain containing 4 [Homo sapiens]
Official Symbol	CHCHD4
Synonyms	CHCHD4; FLJ31709; MIA40; TIMM40;
Gene ID	131474
mRNA Refseq	NM_001098502
Protein Refseq	NP_001091972
MIM	611077

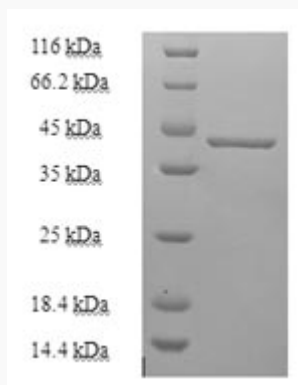
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UniProt ID

Q8N4Q1



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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