

Datasheet for ABIN7546684

COX15 Protein (AA 1-410) (His tag)



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Overview

Quantity:	1 mg
Target:	COX15
Protein Characteristics:	AA 1-410
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COX15 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant COX15 Protein expressed in mammalian cells.
Sequence:	<p> MQRLLFPPLR ALKGRQYLPL LAPRAAPRAQ CDCIRRPLRP GQYSTISEVA LQSGRGTVSL PSKAAERVVG RWLLVCSGTV AGAVILGGVT RLTESGLSMV DWHLIKEMKP PTSQEEWEAE FQRYQQFPEF KILNHDMTLT EFKFIWYMEY SHRMWGRLVG LVYILPAAYF WRKGWLSRGM KGRVLALCGL VCFQGLLGWY MVKSGLEEKs DSHDIPRSQ YRLAAHLGSA LVLYCASLWT SLSLLPPHK LPETHQLQL RRFAGHTAGL VFLTALSGAF VAGLDAGLVY NSFPKMGESW IPEDLFTFSP ILRNVFENPT MVQFDHRLG ITSVTAITVL YFLSRRIPPL RRTKMAAVTL LALAYTQVGL GISTLLMYVP TPLAATHQSG SLALLTGALW LMNELRRVPK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us. </p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

COX15

Alternative Name:

COX15 ([COX15 Products](#))

Background:

Heme A synthase COX15 (HAS) (EC 1.17.99.9) (Cytochrome c oxidase assembly protein COX15 homolog),FUNCTION: Catalyzes the second reaction in the biosynthesis of heme A, a prosthetic group of mitochondrial cytochrome c oxidase (CcO) (PubMed:12474143). Heme A is synthesized from heme B by two sequential enzymatic reactions catalyzed by heme O synthase (HOS) and heme A synthase (HAS). HAS catalyzes the conversion of heme O to heme A by two successive hydroxylations of the methyl group at C8, in a reaction that involves matrix ferredoxin and ferredoxin reductase. The first hydroxylation forms heme I, the second hydroxylation results in an unstable dihydroxymethyl group, which spontaneously dehydrates, resulting in the formyl group of heme A (By similarity). {ECO:0000250|UniProtKB:P40086, ECO:0000269|PubMed:12474143}.

Molecular Weight:

46.0 kDa

UniProt:

[Q7KZN9](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months