

Datasheet for ABIN7551830
Acox2 Protein (AA 1-681) (His tag)



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Overview

Quantity:	1 mg
Target:	Acox2
Protein Characteristics:	AA 1-681
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Acox2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ACOX2 Protein expressed in mammalian cells.
Sequence:	MGSPVHRVSL GDTWSRQMHP DIESERYMQS FDVERLTNIL DGGAQNTALR RKVESIIHSY PEFSCKDNYF MTQNEREKAA MRRAFHIRLI ARRLGWLEDG RELGYAYRAL SGDVALNIHR VFVRALRSLG SEEQIAKWDP LCKNIQIIAT YAQTELGHGT YLQGLETEAT YDAATQEFVI HSPTLTATKW WPGDLGRSAT HALVQAQLIC SGARRGMHAF IVPIRSLQDH TPLPGIIIGD IGPKMDFDQT DNGFLQLNHV RVPRENMLSR FAQVLPDGT YVKLGTAQSNY LPMVVVRVEL LSGEILPILQ KACVIAMRYS VIRRQSRLRP SDPEAKVLDY QTQQQKLFQ LAISYAFHFL AVSLLEFFQH SYTAILNQDF SFLPELHALS TGMKAMMSEF CTQGAEMCRR ACGGHGYSKL SGLPSLVTKL SASCTYEGEN TVLYLQVARF LVKSYLQTM SPGSTPQRSL SPSVAYLTAP DLARCPAQR ADFLCPELYT TAWAHVAVRL IKDSVQHLQT LTQSGADQHE AWNQTTVIHL QAAKVHCYV TVKGFTEALE KLENPAIQ VLKRLCDLHA IHGILTNSGD FLHDAFLSGA QVDMARTAYL DLLRLIRKDA ILLTDAFDFT DQCLNSALGC YDGNVYERLF QWAQKSPTNT QENPAYEEYI RPLLQSWRSK L Sequence without tag. The proposed Purification-Tag is based

Product Details

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.

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.

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: Acox2

Alternative Name: ACOX2 ([Acox2 Products](#))

Background: Peroxisomal acyl-coenzyme A oxidase 2 (EC 1.17.99.3) (3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase) (3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA oxidase) (Trihydroxycoprostanoyl-CoA oxidase) (THCA-CoA oxidase) (THCCox),FUNCTION: Oxidizes the CoA esters of the bile acid intermediates di- and tri-hydroxycholestanic acids (PubMed:27884763). Capable of oxidizing short as well as long chain 2-methyl branched fatty acids (By similarity). {ECO:0000250|UniProtKB:P07872, ECO:0000269|PubMed:27884763}.

Molecular Weight: 76.8 kDa

Target Details

UniProt: [Q99424](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

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
