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## Datasheet for ABIN1475192 ACOX1 Protein (AA 1-661) (His tag)

### Overview

Quantity:	1 mg
Target:	ACOX1
Protein Characteristics:	AA 1-661
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACOX1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MNPDLRKERA SATFNPELIT HILDGSPENT RRRREIENLI LNDPDFQHED YNFLTRSQRY</p> <p>EVAVKKSATM VKKMREYGIS DPEEIMWFKK LYLANFVEPV GLNYSMFIPT LLNQGTAAQQ</p> <p>EKWMRPSQEL QIIGTYAQTE MGHGTHLRGL ETTATYDPKT QEFILNSPTV TSIKWWPGGL</p> <p>GKTSNHAIVL AQLITQGECEY GLHAFVVPPIR EIGHTHKPLPG ITVGDIGPKF GYEEMDNGYL</p> <p>KMDNYRIPRE NMLMKYAQVK PDGTYVKPLS NKLTYGTMVF VRSFLVGNAQ QLSKACTIA</p> <p>IRYSAVRRQS EIKQSEPEPQ ILDFQTQQYK LFPLLATAYA FHFVGRYMK E TYLRINESIG</p> <p>QGDLSPELPEL HALTAGLKAF TTWTANAGIE ECRMAGCGHG YSHSSGIPNI YVTFTPACTF</p> <p>EGENTVMMLQ TARFLMKIYD QVRSGKLVGG MVSYLNDLPS QRIQPQQVAV WPTMVDINSL</p> <p>EGLTEAYKLR AARLVEIAAK NLQTHVSHRK SKEVAWNLT VDLVRASEAH CHYVVVKVFS</p> <p>DKLPKIQDKA VQAVLRNLCL LYSLYGISQK GGDFLEGSII TGAQLSQVNA RILELLTLIR</p> <p>PNAVALVDAF DFKDMTLGVS LGRYDGNVYE NLFWEAKKSP LNKTEVHESY HKHLKPLQSK L</p>
Specificity:	Rattus norvegicus (Rat)

## Product Details

Characteristics: Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

Target: ACOX1

Alternative Name: Peroxisomal acyl-coenzyme A oxidase 1 (Acox1) ([ACOX1 Products](#))

Background: Recommended name: Peroxisomal acyl-coenzyme A oxidase 1.  
Short name= AOX.  
EC= 1.3.3.6.  
Alternative name(s): Palmitoyl-CoA oxidase Cleaved into the following 3 chains: 1.  
Peroxisomal acyl-CoA oxidase 1, A chain 2.  
Peroxisomal acyl-CoA oxidase 1, B chain 3.  
Peroxisomal acyl-CoA oxidase 1, C chain

UniProt: [P07872](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha, Monocarboxylic Acid Catabolic Process](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

## Handling

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Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.