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Datasheet for ABIN1475970 **Acox2 Protein (AA 1-681) (His tag)**

Overview

Quantity:	1 mg
Target:	Acox2
Protein Characteristics:	AA 1-681
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Acox2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MGSPMHRVSL GDHWSWQVHP DIDSERHSPS FSVERLTNIL DGGLPNTVLR RKVESIIQSD</p> <p>PVFNLKKLYF MTREELYEDA IQKRFHLEKL AWSLGWSEHG PERIYANRVL DGNVNLSLHG</p> <p>VAMNAIRSLG SDEQIAKWGQ LCKNFQIITT YAQTELGHGT YLQGLETEAT YDEARQELVI</p> <p>HSPTMTSTKW WPGDLGWSVT HAVVLAQLTC LGVRHGMHAF IPIRSLEDH TPLPGITVGD</p> <p>IGPKMGLEHI DNGFLQLNHV RVPRENMLSR FAEVLPDGTQ YRLGTPQSNY LGMLVTRVQL</p> <p>LCKGILPSLQ KACIIATRYV VIRHQSRRLP SDPEAKILEY QTQQQKLLPQ LAVSYAFHFT</p> <p>ATSLSEFFHS SYSAILKRDF SLLPELHALS TGMKATFADF CAQGAEICRR ACGGHGYSKL</p> <p>SGLPTLVARA TASCTYEGEN TVLYLQVARF LMKSYLQAQA SPGATPQKPL PQSVMYIATQ</p> <p>RPARCSAQT ADFRCPDVYT TAWAYVSTRL IRDAAHRTQT LMKSGVDQHD AWNQTTVIHL</p> <p>QAAKAHCYFI TVKNFKEAVE KLDKEPEIQR VLQRLCDLYA LHGVLNNSGD FLHDGFLSGA</p> <p>QVDMAREAFLLDLLPIRKDA ILLTDAFDFS DHCLNSALGC YDGHVYERLF EWAQKYPANT</p> <p>QENPAYKKYI RPLMLGWRHK M</p>
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Product Details

Specificity:	Rattus norvegicus (Rat)
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:	Acox2
Alternative Name:	Peroxisomal acyl-coenzyme A oxidase 2 (Acox2) (Acox2 Products)
Background:	<p>Recommended name: Peroxisomal acyl-coenzyme A oxidase 2.</p> <p>EC= 1.17.99.3.</p> <p>Alternative name(s): 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</p> <p>Trihydroxycoprostanoyl-CoA oxidase.</p> <p>Short name= THCA-CoA oxidase.</p> <p>Short name= THCCox</p>
UniProt:	P97562
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Comment:	<p>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.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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.