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Datasheet for ABIN1475315

OXCT1 Protein (AA 40-520) (His tag)

Overview

Quantity:	1 mg
Target:	OXCT1
Protein Characteristics:	AA 40-520
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This OXCT1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>T KFYTDPEAV KDIPNGATLL VGGFGLCGIP ENLIGALLKT GVKDLTAVSN NAGVDNFGGLG</p> <p>LLLRSKQIKR MISSYVGENA EFERQFLSGE LEVELTPQGT LAERIRAGGA GVPAFYTSTG</p> <p>YGTLVQEGGS PIKYNKDGSV AIASKPREVR EFRGQHFILE EAITGDFALV KAWKADRAGN</p> <p>VIFRKSARNF NLPKMCKAAGT TVVEVEEIVD IGSFAPEDIH IPKIYVHRLI KGEKYEKRIE</p> <p>RLSLRKEGEG KAKSGKPGED VRERIKRAA LEFEDGMYAN LGIGIPLLAS NFISPNMTVH</p> <p>LQSENGVLGL GPYPLKDEAD ADLINAGKET VTVLPGASFF SSDESFAMIR GGHVNLTMLG</p> <p>AMQVSKYGDL ANWMIPGKMV KGMGGAMD LV SSSKTKVVVT MEHSAKGNAH KIMEKCTLPL</p> <p>TGKQCVNR II TEKG VFDVDK KNGLTLIELW EGLTVDDIRK STGCDFAVSP NLMPMQQIST</p>
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.

Product Details

Purity: > 90 %

Target Details

Target: OXCT1

Alternative Name: Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial (Oxct1) ([OXCT1 Products](#))

Background: Recommended name: Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial.
EC= 2.8.3.5.
Alternative name(s): 3-oxoacid-CoA transferase 1 Somatic-type succinyl-CoA:3-oxoacid CoA-transferase.
Short name= SCOT-s

UniProt: [B2GV06](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Carbohydrate Homeostasis](#)

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

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

Handling

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.