abcam

Product datasheet

Recombinant Human OXCT1/SCOT protein ab132811

1 Image

Overview

Product name	Recombinant Human OXCT1/SCOT protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Accession	P55809
Species	Human
Sequence	MAALKLLSSGLRLCASARGSGATWYKGCVCSFSTSA HRHTKFYTDPVEAV KDIPDGATVLVGGFGLCGIPENLIDALLKTGVKGLTAVS NNAGVDNFGLG LLLRSKQIKRMVSSYVGENAEFERQYLSGELEVELTPQ GTLAERIRAGGA GVPAFYTPTGYGTLVQEGGSPIKYNKDGSVAIASKPRE VREFNGQHFILE EAITGDFALVKAWKADRAGNVIFRKSARNFNLPMCKA AETTVVEVEEIVD IGAFAPEDIHIPQIYVHRLIKGEKYEKRIERLSIRKEGDGE AKSAKPGDD VRERIIKRAALEFEDGMYANLGIGIPLLASNFISPNITVHL QSENGVLGL GPYPRQHEADADLINAGKETVTILPGASFFSSDESFAM IRGGHVDLTMLG AMQVSKYGDLANWMIPGKMVKGMGGAMDLVSSAKT KVVVTMEHSAKGNAH KIMEKCTLPLTGKQCVNRIITEKAVFDVDKKKGLTLIEL WEGLTVDDVQK STGCDFAVSPKLMPMQQIAN
Molecular weight	83 kDa including tags
Amino acids	1 to 520

Specifications

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Our Abpromise guarantee covers the use of **ab132811** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 µg/µl. Protein previously labeled as OXCT1.

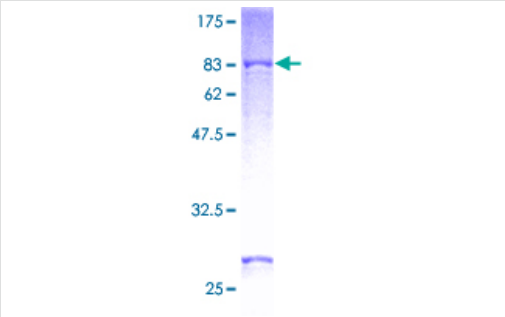
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Key enzyme for ketone body catabolism. Transfers the CoA moiety from succinate to acetoacetate. Formation of the enzyme-CoA intermediate proceeds via an unstable anhydride species formed between the carboxylate groups of the enzyme and substrate.
Tissue specificity	Abundant in heart, followed in order by kidney, brain, and muscle, whereas in liver it is undetectable; also detectable in leukocytes and fibroblasts.
Pathway	Ketone metabolism; succinyl-CoA degradation; acetoacetyl-CoA from succinyl-CoA: step 1/1.
Involvement in disease	Succinyl-CoA:3-oxoacid CoA transferase deficiency
Sequence similarities	Belongs to the 3-oxoacid CoA-transferase family.
Cellular localization	Mitochondrion matrix.

Images



SDS-PAGE - Recombinant Human OXCT1/SCOT protein (ab132811)

12.5% SDS-PAGE analysis of ab132811 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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