



# Recombinant Human Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial (OXCT1)

<b>Product Code</b>	CSB-YP017306HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P55809
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	T KFYTDPVEAV KDIPDGATVL VGGFGLCGIP ENLIDALLKT GVKGLTAVSN NAGVDNFGLG LLLRSKQIKR MVSSYVGENA EFERQYLSGE LEVELTPQGT LAERIRAGGA GVPAFYTPTG YGTLVQEGGS PIKYNKDGSV AIASKPREVR EFNGQHFILE EAITGDFALV KAWKADRAGN VIFRKSARNF NLP MCKAAET TVVEVEEIVD IGAFAPEDIH IPQIYVHRLI KGEKYEKRIE RLSIRKEGDG EAKSAKPGDD VRERIIKRAA LEFEDGMYAN LGIGIPLLAS NFISPNITVH LQSENGVLGL GPYPRQHEAD ADLINAGKET VTILPGASFF SDESFAMIR GGHVDLTMLG AMQVSKYGDL ANWMIPGKMV KGMGGAMD LV SSAKTKVVVT MEHSAKGN AH KIMEKCTLPL TGKQCVNR II TEKAVFDV DK KKGLTLIELW EGLTVDDVQK STGCDFAVSP KLMPMQQIAN
<b>Source</b>	Yeast
<b>Target Names</b>	OXCT1
<b>Protein Names</b>	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
<b>Expression Region</b>	40-520
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a member of the 3-oxoacid CoA-transferase gene family. The encoded protein is a homodimeric mitochondrial matrix enzyme that plays a central role in extrahepatic ketone body catabolism by catalyzing the reversible transfer of coenzyme A from succinyl-CoA to acetoacetate. Mutations in this gene are associated with succinyl CoA:3-oxoacid CoA transferase deficiency.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.