

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

Catalog No: #AP70613

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Package Size: #AP70613-1 20ug #AP70613-2 100ug #AP70613-3 1mg

Description

Product Name	Recombinant Human Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial(OXCT1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:40-520aaSequence Info:Full Length
Other Names	3-oxoacid CoA-transferase 1Somatic-type succinyl-CoA:3-oxoacid CoA-transferase ;SCOT-s
Accession No.	P55809
Calculated MW	56.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	TKFYTDPEAVKDIPDGATVLVGGFGLCGIPENLIDALLKTGVKGLTAVSNNAGVDNFGLGLLLRSKQIKRMVS SYVGENAEFERQYLSGELEVELTPQGTLAERIRAGGAGVPAFYTPTGYGTLVQEGGSPIKYNKDGSVAIASKP REVREFNGQHFILEEAITGDFALVKAWKADRAGNVIFRKSARNFNLPCKAAETTVEVEEIVDIGAFAPEDIHI PQIYVHRLIKGEKYEKRIERLSIRKEGDGEAKSAKPGDDVRERIIKRAALEFEDGMYANLGIGIPLLASNFISPNIT VHLQSENGVLGLGPYPRQHEADADLINAGKETVTILPGASFFSSDESFAMIRGGHVDLTMLGAMQVSKYGDLA NWMIPGKMVMKMGAMDLVSSAKTKVVVTMEHSAKGNNAHKIMEKCTLPLTGKQCVNRIITEKAVFDVDKKGK LTLIELWEGLTVDDVQKSTGCDFAVSPKLMPMQIAN
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Clinical and molecular characterization of five patients with succinyl-CoA:3-ketoacid CoA transferase (SCOT) deficiency.Fukao T., Sass J.O., Kursula P., Thimm E., Wendel U., Ficicioglu C., Monastiri K., Guffon N., Baric I., Zobot M.T., Kondo N.Biochim. Biophys. Acta 1812:619-624(2011)Research Topic:Cancer

Note: This product is for in vitro research use only and is not intended for use in humans or animals.