



Recombinant Human Lipoyltransferase 1, mitochondrial (LIPT1)

Product Code	CSB-YP896479HU
Abbreviation	LIPT1
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.
Uniprot No.	Q9Y234
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	KTVKN GLILQISISND VYQNLAVEDW IHDHMNLEGK PILFFWQNSP SVVIGRHQNP WQECNLNLMR EEGIKLARRR SGGGTVYHDM GNINLTFFTT KKKYDRMENL KLIVRALNAV QPQLDVQATK RFDLLLDGQF KISGTASKIG RTTAYHHCTL LCSTDGTFLS SLLKSPYQGI RSNATASIPS LVKNLLEKDP TLTCEVLMNA VATEYAAYHQ IDNHIHLINP TDETLFPGIN SKAKELQTWE WIYGKTPKFS INTSFHVLYE QSHLEIKVFI DIKNGRIEIC NIEAPDHWLP LEIRDKLNSS LIGSKFCPTE TTMLTNILLR TCPQDHLKNS KWNILCEKIK GIM
Source	Yeast
Target Names	LIPT1
Protein Names	Recommended name: Lipoyltransferase 1, mitochondrial EC= 2.3.1.- Alternative name(s): Lipoate biosynthesis protein Lipoate-protein ligase Lipoyl ligase
Expression Region	26-373
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The process of transferring lipoic acid to proteins is a two-step process. The first step is the activation of lipoic acid by lipoate-activating enzyme to form lipoyl-AMP. For the second step, This protein transfers the lipoyl moiety to apoproteins. Alternative splicing in the 5' UTR of this gene results in five transcript variants that encode the same protein.
Reconstitution	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.

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