



# Recombinant Human Lipoyltransferase 1, mitochondrial (LIPT1)

<b>Product Code</b>	CSB-EP896479HU-B
<b>Abbreviation</b>	LIPT1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9Y234
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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
<b>Source</b>	E.coli
<b>Target Names</b>	LIPT1
<b>Protein Names</b>	Recommended name: Lipoyltransferase 1, mitochondrial EC= 2.3.1.- Alternative name(s): Lipoate biosynthesis protein Lipoate-protein ligase Lipoyl ligase
<b>Expression Region</b>	26-373
<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>	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.
<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

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