



# Recombinant Human Lipoyl synthase, mitochondrial (LIAS)

<b>Product Code</b>	CSB-BP012927HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43766
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LSS LPDKKKELLQ NGPDLQDFVS GDLADRSTWD EYKGNLKRQK GERLRLPPWL KTEIPMGKNY NKLKNTLRNL NLHTVCEEAR CPNIGECWGG GEYATATATI MLMGDTCTRG CRFCSVKTAR NPPPLDASEP YNTAKAIAEW GLDYVVLTSV DRDDMPDGGGA EHIAKTVSYL KERNPKILVE CLTPDFRGDL KAIEKVALSG LDVYAHNVET VPELQSKVRD PRANFDQSLR VLKHAKKVQP DVISKTSIML GLGENDEQVY ATMKALREAD VDCLTLGQYM QPTRRHLLKVE EYITPEKFKY WEKVGNELGF HYTASGPLVR SSYKAGEFFL KNLVAKRRTK DL
<b>Source</b>	Baculovirus
<b>Target Names</b>	LIAS
<b>Protein Names</b>	Recommended name: Lipoyl synthase, mitochondrial EC= 2.8.1.8 Alternative name(s): Lipoate synthase Short name= LS Short name= Lip-syn Lipoic acid synthase
<b>Expression Region</b>	28-372
<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 protein belongs to the biotin and lipoic acid synthetases family. It localizes in mitochondrion and plays an important role in alpha-(+)-lipoic acid synthesis. It may also function in the sulfur insertion chemistry in lipoate biosynthesis. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.
<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.
<b>Shelf Life</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.