Recombinant Human Lipoyl synthase, mitochondrial (LIAS)

Product Code	CSB-EP012927HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43766
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	LSS LPDKKKELLQ NGPDLQDFVS GDLADRSTWD EYKGNLKRQK GERLRLPPWL KTEIPMGKNY NKLKNTLRNL NLHTVCEEAR CPNIGECWGG GEYATATATI MLMGDTCTRG CRFCSVKTAR NPPPLDASEP YNTAKAIAEW GLDYVVLTSV DRDDMPDGGA EHIAKTVSYL KERNPKILVE CLTPDFRGDL KAIEKVALSG LDVYAHNVET VPELQSKVRD PRANFDQSLR VLKHAKKVQP DVISKTSIML GLGENDEQVY ATMKALREAD VDCLTLGQYM QPTRRHLKVE EYITPEKFKY WEKVGNELGF HYTASGPLVR SSYKAGEFFL KNLVAKRKTK DL
Source	E.coli
Target Names	LIAS
Protein Names	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
Expression Region	28-372
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	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.
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. 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.