Recombinant Human LIAS, His-tagged

Cat. No. LIAS-27755TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-372 of Human LIAS, with N terminal His tag; 372 amino acids, 43kDa.
Species	Human
Source	E.coli
ProteinLength	1-372 a.a.
Description	The protein encoded by this gene 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.
Conjugation	HIS
Form	Lyophilised:Reconstitution with 129 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	MSLRCGDAARTLGPRVFGRYFCSPVRPLSSLPDKKKELLQ NGPDLQDFVSGDLAD

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acids	RSTWDEYKGNLKRQKGERLRLPP WLKTEIPMGKNYNKLKNTLRNLNLHTVCEEAR CPNIGE CWGGGEYATATATIMLMGDTCTRGCRFCSVKTARNPPP LDASEPYNTAK AIAEWGLDYVVLTSVDRDDMPDGGAEH IAKTVSYLKERNPKILVECLTPDFRGDLKA IEKVALSGLD VYAHNVETVPELQSKVRDPRANFDQSLRVLKHAKKVQP DVISKTSIM LGLGENDEQVYATMKALREADVDCLTLGQ YMQPTRRHLKVEEYITPEKFKYWEKV GNELGFHYTASG PLVRSSYKAGEFFLKNLVAKRKTKDL
Full Length	Full L.

GENE INFORMATION

Gene Name	LIAS lipoic acid synthetase [Homo sapiens]
Official Symbol	LIAS
Synonyms	LIAS; lipoic acid synthetase; lipoyl synthase, mitochondrial; LAS;
Gene ID	11019
mRNA Refseq	NM_006859
Protein Refseq	NP_006850
MIM	607031
Uniprot ID	O43766
Chromosome Location	4p14
Pathway	Lipoic acid metabolism, organism-specific biosystem; Lipoic acid metabolism,

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	conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	4 iron, 4 sulfur cluster binding; lipoate synthase activity; metal ion binding; transferase activity;

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