

# Recombinant Human DLST Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** DLST-952H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	DLST MS Standard C13 and N15-labeled recombinant protein (NP_001924) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a mitochondrial protein that belongs to the 2-oxoacid dehydrogenase family. This protein is one of the three components (the E2 component) of the 2-oxoglutarate dehydrogenase complex that catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO <sub>2</sub> . Alternatively spliced transcript variants have been found for this gene.
<b>Molecular Mass</b>	48.6 kDa
<b>AA Sequence</b>	<p>MLSRSRCVSRAFSRSLSAFQKGNCPGRRSLPGVSLCQGGYPNSRKVVINNSVFS  VRFRTTAVCKDDLVTVKTPAFAESVTEGDVRWEKAVGDTVAEDEVVCEIETDKTSV  QVPSPANGVIEALLVPDGGKVEGGTPLFLRKTGAAPAKAKPAEAPAAAAPKAEP  AAVPPPAAPIPTQMPPVSPSPQPPSGKPVSAVKPTVAPPLAEPGAGKGLRSEHREK  MNRMRQRIARLKEAQNTCAMLTTFNEIDMSNIQEMRARHKEAFLKKHNLKLGFS  AFVKASAFALQEQPVVNAVIDDTTKEVVYRDYIDISVAVATPRGLVVPVIRNVEAMNF  ADIERTITELGEKARKNELAIEDMDGGTFTISNGGVFGSLFGTPIINPPQSAILGMHGIF  DRPVAIGGKVEVRPMMYVALTYDHRLIDGREAVTFLRKIKAAVEDPRVLLLDLTRTRP</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



LEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** DLST dihydrolipoamide S-succinyltransferase [ Homo sapiens (human) ]

**Official Symbol** DLST

**Synonyms** DLST; dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex); DLTS; dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial; E2K; OGDC-E2;

**Gene ID** 1743

**mRNA Refseq** NM\_001933

**Protein Refseq** NP\_001924

**MIM** 126063

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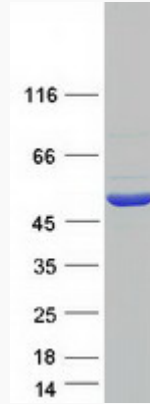
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UniProt ID

P36957

SDS-PAGE



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