

## Product datasheet for **TP301220L**

### **DLST (NM\_001933) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex) (DLST), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201220 representing NM\_001933  
**Red**=Cloning site **Green**=Tags(s)

MLSRSRCVSRAFSRSLSAFQKGNCLGRRSLPGVSLCQGGYPNSRKVINNSVFSVRRFFRTTAVCKDDL  
VTVKTPAFAESVTEGDVRWEKAVGDTVAEDEVVCEIETDKTSVQVPSANGVIEALLVPDGGKVEGGTPL  
FTLRKTGAAPAKAKPAEAPAAAAPKAEPTAAAVPPPAPIPTQMPPVSPSPQPPSGKPVSAVKPTVAPPL  
AEPGAGKGLRSEHREKMNRMRQRIARLKEAQNTCAMLTTFNEIDMSNIQEMRARHKEAFLKKHNLKLG  
MSAFVKASAFALQEQPVVNAVIDDTTKEVVYRDYIDISVAVATPRGLVVPVIRNVEAMNFADIERTITEL  
GEKARKNELAIEDMDGGTFTISNGGVFGSLFGTPIINPPQSAILGMHGIFDRPVAIGGKVEVRPMMYVAL  
TYDHRLLIDGREATFLRKIKAAVEDPRVLLLDL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 48.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001924](#)

Locus ID: 1743

UniProt ID: [P36957](#), [A0A024R6C9](#)

RefSeq Size: 2828

Cytogenetics: 14q24.3

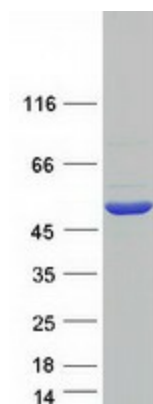
RefSeq ORF: 1359

Synonyms: DLTS; KGD2; PGL7

**Summary:** 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(2). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2011]

**Protein Pathways:** Citrate cycle (TCA cycle), Lysine degradation, Metabolic pathways

### Product images:



Coomassie blue staining of purified DLST protein (Cat# [TP301220]). The protein was produced from HEK293T cells transfected with DLST cDNA clone (Cat# [RC201220]) using MegaTran 2.0 (Cat# [TT210002]).