

Product datasheet for TP301220

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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201220 representing NM_001933 Red =Cloning site Green =Tags(s)

MLSRSRCVSRAFSRSLSAFQKGNCPGRRSLPGVSLCQGGYPNSRKVVINNSVFSVRFRTTAVCKDDL
VTVKTPAFAESVTEGDVRWEKAVGDTVAEDEVVCEIETDKTSVQVPSANGVIEALLVPDGGKVEGGTPL
FTLRKTGAAPAKAKPAEAPAAAAPKAEPATAAVPPPAPIPTQMPPVSPSPQPPSGKPVSAVKPTVAPPL
AEPGAGKGLRSEHREKMNRMRQRIAQRLKEAQNTCAMLTTFNEIDMSNIQEMRARHKEAFLKKNLKL
GF
MSAFVKASAFALQEQPVVNAVIDDTTKEVVYRDYIDISVAVATPRGLVVPVIRNVEAMNFADIERTITEL
GEKARKNELAIEDMDGGTFTISNGGVFGSLFGTPINPPQSAILGMHGIFDRPVAIGGKVEVRPMMYVAL
TYDHLRIDGREAVTFLRKIKAAVEDPRVLLLDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

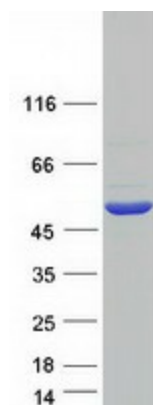
Tag:	C-Myc/DDK
Predicted MW:	48.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001924
Locus ID:	1743
UniProt ID:	P36957
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]).