

Product datasheet for PH301220

DLST (NM_001933) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DLST MS Standard C13 and N15-labeled recombinant protein (NP_001924)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201220
Predicted MW:	48.6 kDa
Protein Sequence:	>RC201220 representing NM_001933 Red=Cloning site Green=Tags(s) <p>MLSRRCVSRFSAFQKGNCLGRRSLPGVSLCQGPYPNSRKVVINNSVFSVRFRRITAVCKDDL VTYKTPAFSAESVTEGDVRWEKAVGDTVAEDEVVCEIETDKTSVQVSPANGVIEALLVPDGGKVEGGTPL FTLRKTGAAPAKAKPAEAPAAAAAPKAEPAAAAVPPAAPIPTQMPPVSPSPQPPSGKPVSAVKPTVAPPL AEPGAGKGLRSEHREKMNMRQRIARLKEAQTCAMLTTFNEIDMSNIQEMRARHKEAFLKKNLKLGF MSAFVKASAFALQEPPVNAVIDDTTKEVVYRDYIDISVAVATPRGLVVPVIRNVEAMNFADIERTITEL GEKARKNELAIEDMDGGTFTISNGGVFGSLFGTPIINPPQSAILGMHGIFDRPVAIGGKVEVRPMMYVAL TYDHRLIDGREAVTFLRKAIVEDPRVLLLDL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001924</u>
RefSeq Size:	2828
RefSeq ORF:	1359
Synonyms:	DLTS; KGD2; PGL7



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Locus ID: 1743

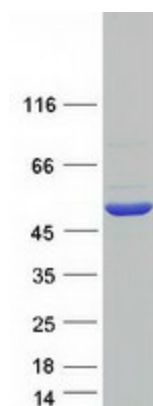
UniProt ID: [P36957](#), [A0A024R6C9](#)

Cytogenetics: 14q24.3

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 CO₂. 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]).