

Product datasheet for SC330226

DLST (NM_001244883) Human Untagged Clone

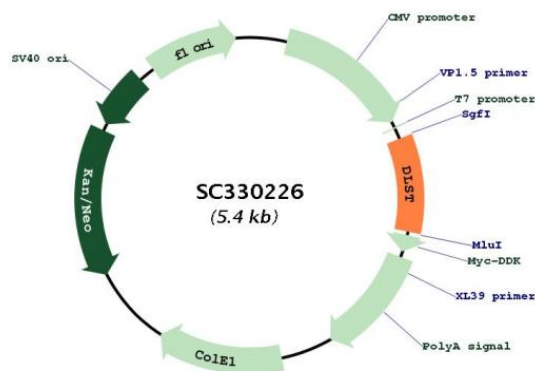
Product data:

Product Type:	Expression Plasmids
Product Name:	DLST (NM_001244883) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLST
Synonyms:	DLTS; KGD2; PGL7
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330226 representing NM_001244883. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTGTCCCGATCCCGCTGTGTGTCTCGGGCGTTCAGCCGCTCGCTCTCCGCCTCCAGAAGGGGAAC
TGCCCTCTAGGGAGACGTTCCCTGCCTGGGGTCTCCTTATGCCAGGGACCAGGTTACCCTAACAGCAGG
AAGGTTGTCATTAACAACAGTGTCTTCAGTGTTTCGCTTTTTCAGAACTACAGCTGTATGCAAGGATGAC
TTGGTTACAGTCAAACCCAGCGTTTGCAGAATCTGTCACAGAGGGAGATGTCAGGTGGGAGAAAGCT
GTTGGAGACACAGTTGCAGAAGATGAAGTGTTTGTGAGATTGAACTGACAAGACATCTGTGCAGGTT
CCATCACCAGCAAATGGCGTGATTGAAGCTCTTTTGGTACCTGATGGGGAAAAGTGAAGGAGGACT
CCACTTTTACACTCAGGAAAAGTGGTGGTAAAGAAGTCTCCTGGTGGTCAAGGTCTCCAGTGTCCC
TCTTGGGATTGGGACTGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



[View online »](#)

ACCN:	NM_001244883
Insert Size:	501 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001244883.1
RefSeq Size:	1229 bp
RefSeq ORF:	501 bp
Locus ID:	1743
Cytogenetics:	14q24.3
Protein Pathways:	Citrate cycle (TCA cycle), Lysine degradation, Metabolic pathways
MW:	17.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs at the 3' end compared to variant 1. This results in a shorter isoform (2) with a distinct C-terminus compared to isoform 1.</p>