

# Recombinant Full Length Human DLST Protein, GST-tagged

**Cat. No.** DLST-3998HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Human DLST full-length ORF ( NP_001924.2, 1 a.a. - 453 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 453 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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(2). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2011]                                                                                                               |
| <b>Molecular Mass</b>   | 75.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | <p> MLSRSRCVSRAFSRSLSAFQKGNCPGRRSLPGVSLCQGPYPNSRKVINNSVFS<br/> VRFFRTTAVCKDDLVTVKTPAFAESVTEGDVRWEKAVGDTVAEDEVVCEIETDKTSV<br/> QVPSPANGVIEALLVPDGGKVEGGTPLFTLRKTGAAPAKAKPAEAPAAAAPKAEPTA<br/> AAVPPPAPIPTQMPPVPSQPPSGKPVSAVKPTVAPPLAEPGAGKGLRSEHREK<br/> MNRMRQRIAQRLKEAQNTCAMLTTFNEIDMSNIQEMRARHKEAFLKKHNLKLGMS<br/> AFVKASAFALQEQPVVNAVIDDTTKEVVYRDYIDISVAVATPRGLVVPVIRNVEAMNF<br/> ADIERTITELGEKARKNELAIEDMDGGTFTISNGGVFGSLFGTPIINPPQSAILGMHGIF<br/> DRPVAIGGKVEVRPMMYVALTYDHRLIDGREAVTFLRKIKAAVEDPRVLLLDL </p> |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                             |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                      |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                               |
| <b>Gene Name</b>        | DLST dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex) [ Homo sapiens ]                                                                                                                        |
| <b>Official Symbol</b>  | DLST                                                                                                                                                                                                                          |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 1743                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_001244883                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>   | NP_001231812                                                                                                                                                                                                                  |
| <b>MIM</b>              | 126063                                                                                                                                                                                                                        |
| <b>UniProt ID</b>       | P36957                                                                                                                                                                                                                        |

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