# DLD Protein (Myc-DYKDDDDK Tag)

| 1 | Image |
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## Overview

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| Quantity: | 20 µg |
| Target: | DLD |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DLD protein is labelled with Myc-DYKDDDDK Tag. |
| Application: | Antibody Production (AbP), Standard (STD) |

## Product Details

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| Characteristics: | • Recombinant human Dihydrolipoyl dehydrogenase protein expressed in HEK293 cells.<br>• Produced with end-sequenced ORF clone |
| Purity: | > 80 % as determined by SDS-PAGE and Coomassie blue staining |

## Target Details

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| Target: | DLD |
| Alternative Name: | Dihydrolipoyl Dehydrogenase (DLD Products) |
| Background: | This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the encoded protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, this protein can function as a protease. Mutations in this |

## Target Details

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| | gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. Alternative splicing results in multiple transcript variants. |
| Molecular Weight: | 50.1 kDa |
| NCBI Accession: | NP_000099 |
| Pathways: | Ribonucleoside Biosynthetic Process, Cell RedoxHomeostasis |

## Application Details

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| Application Notes: | Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays |
| Comment: | The tag is located at the C-terminal. |
| Restrictions: | For Research Use only |

## Handling

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| Concentration: | 50 µg/mL |
| Buffer: | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |

## Images
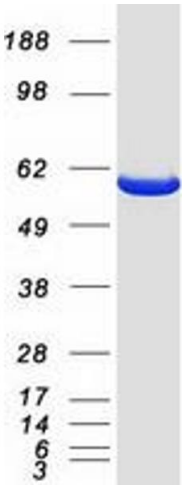


**Western Blotting**

**Image 1.** Validation with Western Blot