

Recombinant Human DLD

Catalog No: #GP11457

Package Size: #GP11457-1 100ug

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Description

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|-----------------------|----------------------------------------------------------------------------------------------------|
| Product Name | Recombinant Human DLD |
| Brief Description | Recombinant Protein |
| Immunogen Description | Fusion protein corresponding to C terminal 250 amino acids of human dihydrolipoamide dehydrogenase |
| Target Name | dihydrolipoamide dehydrogenase |
| Other Names | E3; LAD; DLDD; DLDH; GCSL; PHE3 |
| Accession No. | Swissprot:P09622Gene Accession:BC018696 |
| Uniprot | P09622 |
| GeneID | 1738; |
| Storage | -20~-80°C, pH 7.6 PBS |

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 gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. Alternative splicing results in multiple transcript variants.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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