

## Recombinant Escherichia coli O9:H4 LLDD Protein (1-396 aa), His-tagged

**Cat. No.** LLDD-976E    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Escherichia coli O9:H4 (strain HS) LLDD Protein (1-396 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.                                                                                                                                                                                                                             |
| <b>Species</b>          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 1-396 aa                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Catalyzes the conversion of L-lactate to pyruvate. Is coupled to the respiratory chain.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 46.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MIISAASDYRAAAQRILPPFLFHYMDGGAYSEYTLRRNVEDLSEVALRQRILKNMSDL<br>SLETTLFNEKLSMPVALAPVGLCGMYARRGEVQAAKAADAHGIPFTLSTVSVCPIEE<br>VAPAIKRPMWFQLYVLRDRGFMRNALERAKAAGCSTLVFTVDMPTPGARYRDAHS<br>GMSGPNAAMRRYLQAVTHPQWAWDVG LNGRPHDLGNISAYLGKPTGLEDYIGWL<br>GNNFDPSISWKDLEWIRDFWDGPMVIKILDPEDARDAVRFGADGIVVSNHGG RQL<br>DGV LSSARALPAIADAVKGDIAILADSGIRNGLDVVRMIALGADTVLLGRAFLYALATA<br>GQAGVANLLNLIEKEMKVAMTLTGAKSISEITQDSL VQGLGKELPAALAPMAKGNA A |

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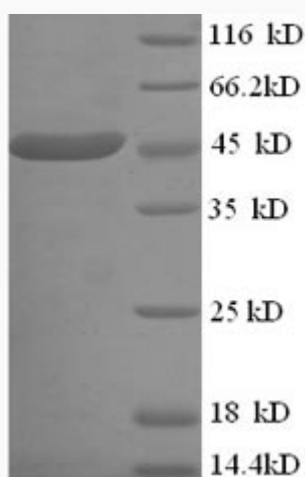
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|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA with concentration instruction is sent along with the products.                                                                                                                                                                                                                                   |

## GENE INFORMATION

**UniProt ID** [A8A670](#)



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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