



# Recombinant Columba livia L-lactate dehydrogenase A chain (LDHA)

<b>Product Code</b>	CSB-EP889498DVK
<b>Abbreviation</b>	LDHA
<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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9PW07
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Columba livia (Rock dove)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SLKDQLIHN VHKEESHSHAH NKISVVGVA VGMACAISIL MKDLADELAL VDVVEDKLGK EMLDLQHGS LFLRTPKIVSG KDYSVTAHSK LVIVTAGARQ QEGESRLNLV QRNVNIFKVI IPNVVKYSPD CKLLIVSNPV DILTYVAWKI SGFPKHRVIG SGCNLD SARF RHLMGERLGI HPLSCHGWIV GEHGDSSVPV WSGVNVAGVS LKALHPDMGT DADKEHWKEV HKQVVD S AYE VIKLG YTSW AIGLSVADLA ETIMKNLRRV HPISTVVKGM HGIKEDVFLS VPCVLGSSGI TDVVKMILKP EEEDKLRKSA DTLWGIQKEL QF
<b>Source</b>	E.coli
<b>Target Names</b>	LDHA
<b>Protein Names</b>	Recommended name: L-lactate dehydrogenase A chain Short name= LDH-A EC= 1.1.1.27
<b>Expression Region</b>	2-332
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. The protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms have been found for this gene. The human genome contains several non-transcribed pseudogenes of this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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