



## Recombinant Lactate Dehydrogenase A (LDHA)

Catalog No.: TP09175 100ug

### Sequence Information

**Species:** Rat

**Gene ID:**24533

**Swiss Prot:**P04642

**Synonyms:**LDH-A; LDH-M; LDH1;  
PIG19; Cell proliferation-inducing  
gene 19 protein; LDH muscle  
subunit; Renal carcinoma antigen  
NY-REN-59

**Residues:** Met1~Phe332

MAALKDQLIVNLLKEEQVPQNKITVVGAVGAMACISILMKDLADELALVDVIEDKLKGEMMDLQHGSFLKTPKIVS  
SKDYSVTANSKLVIITAGARQQEGESRLNLVQRNVNIFKFIIPNVVKYSPQCKLLIVSNPVDILTVAWKISGFPKNRV  
IGSGCNLDSARFRYLMGERLGVHPLSCHGWVLGEHGDSSVPVWSGVNAGVSLKSLNPQLGTDADKEQWKDVHKQVVD  
AYEVIKLGKGYTSAIGLSVADLAESIMKNLRRVHPISTMIKGLYGIKEDVFLSVPCILGQNGISDVVKVTLTPDEEARL  
KKSADTLWGIQKELQF

### Product Information

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Tags:** N-terminal His Tag

**Subcellular Location:** Cytoplasm.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS (PH7.4) , containing 5% Trehalose.

**Original Concentration:** 500µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 8.2

**Predicted Molecular Mass:** 38kDa

**Accurate Molecular Mass:** 37kDa as determined by SDS-PAGE reducing conditions.

### [ USAGE ]

Reconstitute in PBS (pH7.4) to a concentration of 0.1-0.5 mg/mL. Do not vortex.

### [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

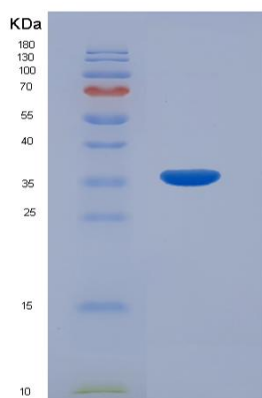
Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at



37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## **[ IDENTIFICATION ]**



**Figure 1. SDS-PAGE**

## **[ IMPORTANT NOTE ]**

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.