

RPH673Ra01 50µg

Recombinant Malate Dehydrogenase 1 (MDH1)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)



## [ PROPERTIES ]

**Source:** Prokaryotic expression

Host: E.coli

Residues: Ser2~Ala334

Tags: N-terminal His and GST Tag

Subcellular Location: Cytoplasm

**Purity:** > 90%

Traits: Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 200µg/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: 6.2

Predicted Molecular Mass: 66.3kDa

**Accurate Molecular Mass:** 66kDa as determined by SDS-PAGE reducing conditions.

## [USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 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.

### [ SEQUENCE ]



```
SEPIRVLVT GAAGQIAYSL LYSIGNGSVF GKDQPIILVL LDITPMMGVL
DGVLMELQDC ALPLLQDVIA TDKEEVAFKD LDVAVLVGSM PRREGMERKD
LLKANVKIFK SQGAALEKYA KKSVKVIVVG NPANTNCLTA SKSAPSIPKE
NFSCLTRLDH NRAKSQIALK LGVTADDVKN VIIWGNHSST QYPDVNHAKV
KLQGKEVGVY EALKDDSWLK GEFITTVQQR GAAVIKARKL SSAMSAAKAI
SDHIRDIWFG TPEGEFVSMG VISDGNSYGV PDDLLYSFPV VIKNKTWKFV
EGLPINDFSR EKMDLTAKEL TEEKETAFEF LSSA
```

### [ IDENTIFICATION ]

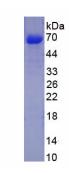


Figure. SDS-PAGE

# [ IMPORTANT NOTE ]

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