

Recombinant Malate Dehydrogenase 1 (MDH1) Instruction Manual

SIPH848Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	66.3kDa
Accurate Molecular Mass	66kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser2~Ala334 with N-terminal His and GST Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	6.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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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
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image



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.