

**RPE828Mu01 100ug**  
**Recombinant Aldehyde Dehydrogenase 1 Family, Member L1 (ALDH1L1)**  
**Organism Species: *Mus musculus* (Mouse)**  
***Instruction manual***

FOR RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Thr417~Tyr902

**Tags:** N-terminal His Tag

**Subcellular Location:** Cytoplasm

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** pH7.4, 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:** 7.1

**Predicted Molecular Mass:** 56.6kDa

**Accurate Molecular Mass:** 57kDa as determined by SDS-PAGE reducing conditions.

**[ USAGE ]**

Reconstitute in 10mM PBS (pH7.4) 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.

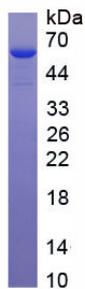
Aliquot and store at -80°C for 12 months.

**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 ]**

TLQM PYQLFIGGEF VDAEGAKTYS TINPTDGSVI  
CQVSLAQVS DVDKAVAAAK EAFENGLWGK INARDRGRLL YRLADLMEQH Q  
EELATIEA LDAGAVYTLA LKTHVGMSIQ TFRYFAGWCD KIQGATIPIN QA  
RPNRNLTKKKEPVGVC GIVIPWNYPL MMLSWKTAAC LAAGNTVVIK PAQ  
VTPLTA LKFAELTLKA GIPKGVVNIL PGSGSLVGQR LSDHPDVRKI GFTG  
STEVG KHIMKSCALS NVKKSLELG GKSPLIIFAD CDLNKAVQMG MSSVF  
FNKG ENCIAAGRLF VEDSIHQFV QKVVEEVGKM KIGNPLDRDT NHGPQN  
HEA HLRKLVEYCQ RGVKEGATLV CGGNQVPRPG FFFQPTVFTD VEDHMYI  
AK EESFGPIMII SRFADGDVDA VLSTRANATEF GLASGVFTRD INKALYVS  
D KLQAGTVFVN TYNKTDVAAP FGGFKQSGFG KDLGEAALNE YLRIKTVTF  
EY

**[ IDENTIFICATION ]**



**[ 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.