

RPG355Hu01 10µg
Recombinant Lipoic Acid Synthetase (LIAS)
Organism Species: *Homo sapiens* (Human)
Instruction manual

FOR RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Gln288

Tags: N-terminal His Tag

Subcellular Location: Mitochondrion

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .

Original Concentration: 1000µg/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: 8.0

Predicted Molecular Mass: 35.8kDa

Accurate Molecular Mass: 36kDa 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]

MSLRCGDAAR TLGPRVFGRY FCSPVRPLSS LPDKKKELLQ NGPDLQDFVS GDLADRSTWD EYKGNLKRQK GERLRLPPWL
KTEIPMGKNY NKLKNTLRNL NLHTVCEEAR CPNIGECWGG GEYATATATI MLMGDTCTRG CRFCSVK TAR NPPPLDASEP
YNTAKAIAEW GLDYVVLT SV DRDDMPD GGA EHI AKTVSYL KERNPKILVE CLTPDFRGDL KAIEKVALSG LDVYAHNVET
VPELQSKVRD PRANFDQSLR VLKHAKKVQP DVISKTSIML GLGENDEQ

[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.