

Recombinant Leucyl tRNA Synthetase (LARS) Instruction Manual

SIPC208Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	66.7kDa
Accurate Molecular Mass	67kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Ala321 with N-terminal His and GST Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	9.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
MAGRKGTA KV DFLKEIEKEA QQKWEAEKVF EVSASRLEKQ KQSSKGKYFV  
TFPYPYMNGR LHLGHTFSLS KCEFAVGYQR LKGKSCLFPF GLHCTGMPIK  
ACADKLRKREI ELYGCPPDFP EEEEEEEESS AKPGDIVVRD KAKGKSKAA  
AKAGSSKYQW DIMKSLGLSD DDIVKFSEAE HMLDYFPPLA VQDLKTIGLK  
VDWRRSFITT DVNPPYYDSFV RWQFLTLRER NKIKFGKRYT IYSPKDGQPC  
MDHDRQTGEG VGPQEYTLVK LKVLEPYPSK LSGLKGKNIF LVAATLRPET  
MFGQTNCWVR PDMKYIGFET A
```

USAGE

Reconstitute in 10mM PBS (pH7.4) 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

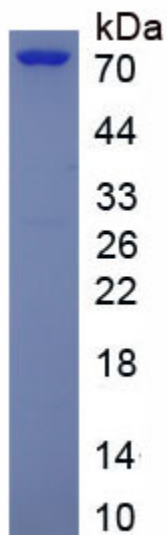


Figure. SDS-PAGE

[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.