

# Recombinant Leucine Rich Repeat LGI Family, Member 3 (LGI3) Instruction Manual

## SIPK602Mu01

**Mus musculus (Mouse)**

|                                 |                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Source</b>                   | Prokaryotic expression                                                                              |
| <b>Host</b>                     | E.coli                                                                                              |
| <b>Endotoxin Level</b>          | <1.0EU per 1µg (determined by the LAL method)                                                       |
| <b>Subcellular Location</b>     | Secreted                                                                                            |
| <b>Predicted Molecular Mass</b> | 36.8kDa                                                                                             |
| <b>Accurate Molecular Mass</b>  | 34kDa(Analysis of differences refer to the manual)                                                  |
| <b>Residues &amp; Tags</b>      | Lys261~Ala548 with N-terminal His Tag                                                               |
| <b>Buffer Formulation</b>       | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| <b>Traits</b>                   | Freeze-dried powder                                                                                 |
| <b>Purity</b>                   | > 97%                                                                                               |
| <b>Isoelectric Point</b>        | 8.9                                                                                                 |
| <b>Applications</b>             | Positive Control; Immunogen; SDS-PAGE; WB.                                                          |

## SEQUENCE

```
          KWDYVERQLR DYDRIPAPSA VHCKPMVVDG QLYVVVAQLF
GGSYIYHWP NTTRFTKLQD IDPQRVRKPN DLEAFRIDGD WFFAVADSSK
AGATSLYRWH QNGFYSHQAL HAWHRDTDLE FVDGEGKPRL IVSSSSQAPV
IYQWSRSQKQ FVAQGEVTQV PDAQAVKHFR AGRDSYLCLS RYIGDSKILR
WEGTRFSEVQ ALPSRGLAL QPFLVGGHRY LALGSDFSFT QIYQWDEGRQ
KFVRFQELAV QAPRAF CYMP AGDAQLLLAP SFKGQTLVYR HVVVDLSA
```

## 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

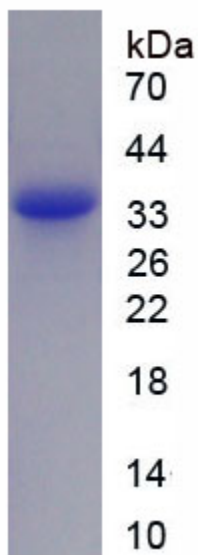


Figure. SDS-PAGE

### **[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.