

# Recombinant Superoxide Dismutase 1 (SOD1) Instruction Manual

SIPB285Ov01

**Ovis aries; Ovine (Sheep)**

|                                 |  |
|---------------------------------|--|
| <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>     | Cytoplasm. Nucleus   |
| <b>Predicted Molecular Mass</b> | 19.4kDa  |
| <b>Accurate Molecular Mass</b>  | n/a(Analysis of differences refer to the manual)                           |
| <b>Residues &amp; Tags</b>      | Ala2~Pro152 (Accession # P09670) with                                      |
| <b>Buffer Formulation</b>       | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5%<br>Trehalose and Proclin300. |
| <b>Traits</b>                   | Freeze-dried powder  |
| <b>Purity</b>                   | > 95%  |
| <b>Isoelectric Point</b>        | 6.7  |
| <b>Applications</b>             | Positive Control; Immunogen; SDS-PAGE; WB.                                 |

## USAGE

Reconstitute in PBS or others.

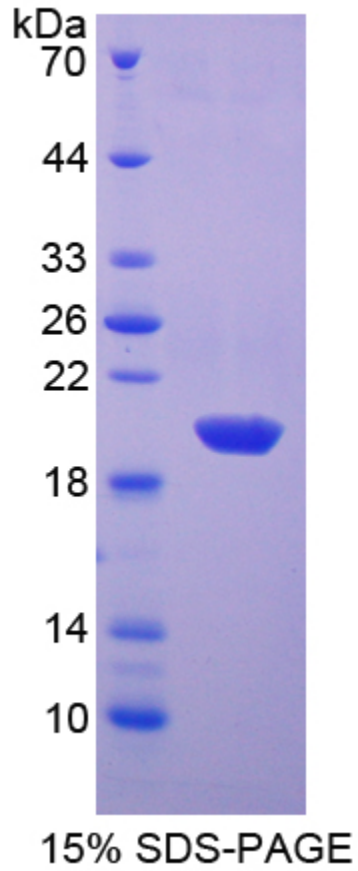
## STORAGE

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**



SDS-PAGE Image

**[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.