

# Recombinant Peroxiredoxin 4 (PRDX4) Instruction Manual

**SIPF879Mu01**

**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, Cytoplasm
<b>Predicted Molecular Mass</b>	29.1kDa
<b>Accurate Molecular Mass</b>	25kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ser14~Thr258 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% 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.

## SEQUENCE

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SRRWTRK LVLLLPPLLL FLLRTESLQG LESDERFRTR  
ENECHFYAGG QVYPGEASRV SVADHSLHLS KAKISKPAPY WEGTAVINGE  
FKELKLTDYR GKYLVFFFYP LDFTFVCPT E IIAFGDRIEE FKSINTEVVA  
CSVDSQFTHL AWINTPRRQG GLGPIRIPLL SDLNHQISKD YGVYLED SGH  
TLRGLFIIDD KGVLRQITLN DLPVGRSVDE TLRLVQAFQY TDKHGEVCPA  
GWKPGSET
```

## 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

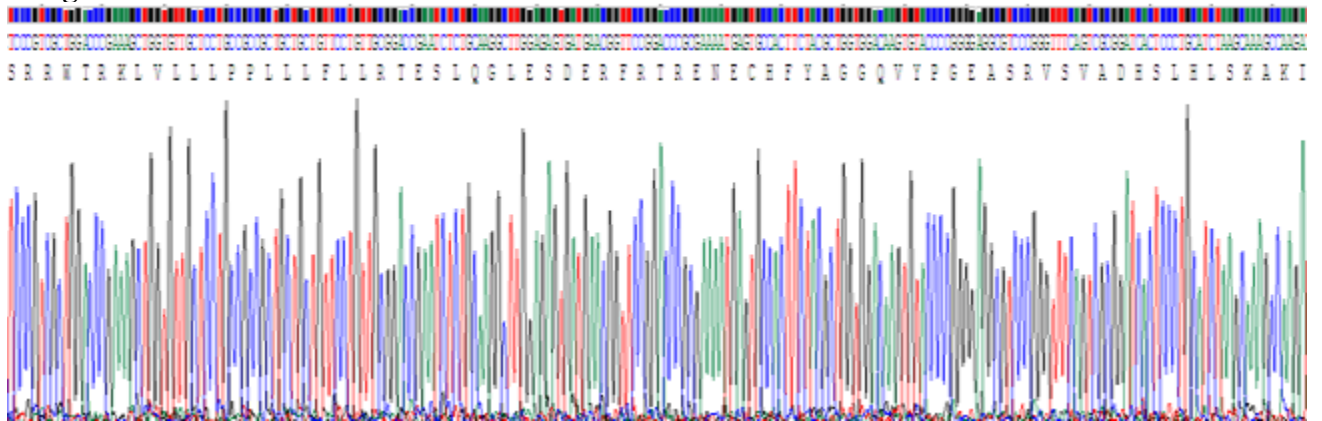


Figure. SDS-PAGE

## **[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.