

# Recombinant Chondroitin Sulfate Proteoglycan 4 (CSPG4) Instruction Manual

**SIPB084Ra01**

**Rattus norvegicus (Rat)**

<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>	Membrane, Extracellular matrix
<b>Predicted Molecular Mass</b>	34.6kDa
<b>Accurate Molecular Mass</b>	35kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Asn1135~Gln1444 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>	> 97%
<b>Isoelectric Point</b>	5.1
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
                                NSSSLV VPQGGQGTID  
TAVLHLDTNL DIRSGNEVHY HVTAGPHWGQ LLRDGQSVTS FSQRDLLDGA  
ILYSHNGSLS PQDTLALSVA AGPVHTSTVL QVTIALEGPL APLQLVQHKR  
IYVFQGEAAE IRRDQLEVVQ EAVLPADIMF SLRSPPNAGY LVMVSHGASA  
DGPPSLDPVQ RFSQEAINSG RVLYLHSRPG AWSDFSFLDV ASGLGDPLEG  
ISVELEVLPT VIPLDVQNFS VPEGGTRTLA PPLIQITGPY LGTLPGLVLQ  
VLEPPQH GAL QKEDRPQDGT LSTFSWREVE EQLIRYVHDG SETQ
```

## USAGE

Reconstitute in 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

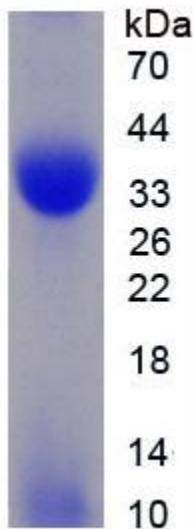


Figure. SDS-PAGE

## **[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.