

Recombinant Rat Vcan Protein, His-tagged

Cat. No. Vcan-553R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Vcan Protein (Leu21-Asn330) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Leu21-Asn330
Description	Predicted to enable protein phosphatase binding activity. Involved in axon regeneration. Located in cell surface and perineuronal net. Is active in synapse. Biomarker of myocardial infarction. Human ortholog(s) of this gene implicated in intracranial aneurysm. Orthologous to human VCAN (versican).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.1 kDa Accurate Molecular Mass: 42 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade for

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Vcan versican [*Rattus norvegicus* (Norway rat)]

Official Symbol

Vcan

Synonyms

VCAN; versican; versican core protein; GHAP; PG-M; large fibroblast proteoglycan; glial hyaluronate-binding protein; chondroitin sulfate proteoglycan 2 (versican); chondroitin sulfate proteoglycan core protein 2; Cspg2

Gene ID

114122

mRNA Refseq

NM_001170558

Protein Refseq

NP_001164029

UniProt ID

Q9ERB4

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

