

## Recombinant Rat Calu Protein, His-tagged

Cat. No. Calu-358R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Calu Protein (Lys20-Phe315+SSTTTTTTEIRLLTKPERKLSWLLPPLSNN) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Lys20-Phe315+SSTTTTTTEIRLLTKPERKLSWLLPPLSNN
<b>Description</b>	Enables calcium ion binding activity; enzyme binding activity; and enzyme inhibitor activity. Involved in peripheral nervous system axon regeneration and response to organic cyclic compound. Located in endoplasmic reticulum lumen. Orthologous to human CALU (calumenin).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 42.3 kDa Accurate Molecular Mass: 58 kDa
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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.

**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**

Calu calumenin [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Calu

**Synonyms**

CALU; calumenin; CBP-50; crocalbin; reticulocalbin; Rcn; Cbp50; MGC124555

**Gene ID**

64366

**mRNA Refseq**

NM\_001033898

**Protein Refseq**

NP\_001029070

**UniProt ID**

O35783

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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