

Recombinant Rat Calu Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Calu Protein (Lys20-Phe315+SSTTTTTEIRLLTKPERKLSWLLPPLSNN) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Lys20-Phe315+SSTTTTTEIRLLTKPERKLSWLLPPLSNN
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.3 kDa Accurate Molecular Mass: 58 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

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