

## Recombinant Rat Grn Protein, His-tagged

**Cat. No.** Grn-1593R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Grn Protein (Cys44-His255) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Cys44-His255
<b>Description</b>	Predicted to enable chaperone binding activity. Involved in several processes, including chondrocyte proliferation; positive regulation of dendritic spine development; and response to estradiol. Predicted to be located in several cellular components, including late endosome; lysosomal membrane; and trans-Golgi network. Predicted to be active in extracellular region. Biomarker of status epilepticus. Human ortholog(s) of this gene implicated in dementia (multiple); neurodegenerative disease (multiple); neuronal ceroid lipofuscinosis 11; and primary progressive multiple sclerosis. Orthologous to human GRN (granulin precursor).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 22.52 kDa
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	Grn granulin [ <i>Rattus norvegicus</i> (Norway rat) ]
<b>Official Symbol</b>	Grn
<b>Synonyms</b>	GRN; granulin; granulins;
<b>Gene ID</b>	29143
<b>mRNA Refseq</b>	NM_001145842
<b>Protein Refseq</b>	NP_001139314
<b>UniProt ID</b>	P23785

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