

Recombinant Rat Grn Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Grn Protein (Cys44-His255) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Cys44-His255
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.52 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Grn granulin [Rattus norvegicus (Norway rat)]
Official Symbol	Grn
Synonyms	GRN; granulin; granulins;
Gene ID	29143
mRNA Refseq	NM_001145842
Protein Refseq	NP_001139314
UniProt ID	P23785