

Recombinant Rat Reg1a protein, His & T7-tagged

Cat. No. Reg1a-1758R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Reg1a aa. (Gln22~Ala165 (Accession # P10758)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Gln22~Ala165
Description	May inhibit CaCO ₃ crystal growth.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

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at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage

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

Storage Buffer

Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION**Gene Name**

Reg1a regenerating family member 1 alpha [*Rattus norvegicus* (Norway rat)]

Official Symbol

Reg1a

Synonyms

HBA; HBA1; hemoglobin subunit alpha; alpha-globin; globin, alpha 1; hemoglobin alpha chain

Gene ID

24714

mRNA Refseq

NM_012641.1

Protein Refseq

NP_036773.1

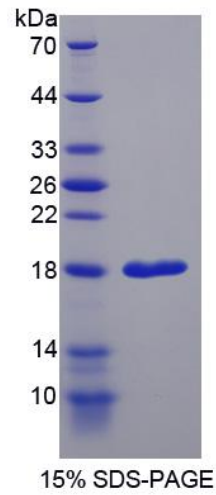
UniProt ID

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SDS-PAGE

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