

Recombinant Rat Cacna1s protein, His & T7-tagged

Cat. No. Cacna1s-1716R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cacna1s aa. (Gln1554~Ser1767 (Accession # Q02485)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Gln1554~Ser1767
Description	Skeletal isoform and subunit of voltage dependent L-type Ca ²⁺ channel; may mediate renal Ca ²⁺ reabsorption; may play a role in bone metabolism.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
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°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less

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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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile ddH₂O.

Isoelectric Point

5.1

GENE INFORMATION

Gene Name

[Cacna1s calcium voltage-gated channel subunit alpha1 S \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Cacna1s](#)

Synonyms

Cacna1s; calcium voltage-gated channel subunit alpha1 S; Cchl1a3; RGD1565743; voltage-dependent L-type calcium channel subunit alpha-1S; ROB1; calcium channel, L type, alpha-1 polypeptide, isoform 3, skeletal muscle; calcium channel, voltage-dependent, L type, alpha 1S subunit; voltage-gated calcium channel subunit alpha Cav1.1

Gene ID

[682930](#)

mRNA Refseq

[NM_053873.1](#)

Protein Refseq

[NP_446325.1](#)

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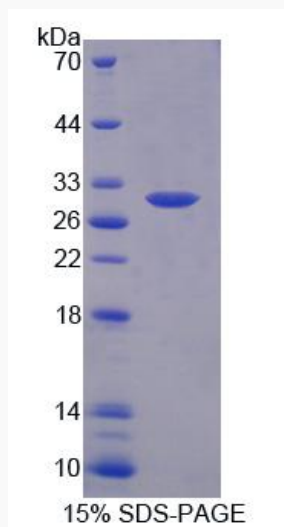
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UniProt ID

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SDS-PAGE

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