

Recombinant Mouse Cacna1s protein, His & T7-tagged

Cat. No. Cacna1s-1422M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cacna1s aa. (Tyr1505~Asn1646 (Accession # Q02789) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Tyr1505~Asn1646
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.0kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 4.8.
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 at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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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

[Cacna1s](#) calcium channel, voltage-dependent, L type, alpha 1S subunit [[Mus musculus](#) (house mouse)]

Official Symbol

[Cacna1s](#)

Synonyms

[Cacna1s](#); calcium channel, voltage-dependent, L type, alpha 1S subunit; sj; fmd; mdg; DHPR; Cav1.1; Cchl1a3; AW493108; voltage-dependent L-type calcium channel subunit alpha-1S; DHPR alpha1s; calcium channel, L type, alpha-1 polypeptide, isoform 3, skeletal muscle; dihydropyridine receptor alpha 1S; muscle dysgenesis; voltage-gated calcium channel subunit alpha Cav1.1

Gene ID

[12292](#)

mRNA Refseq

[NM_001081023.1](#)

Protein Refseq

[NP_001074492.1](#)

UniProt ID

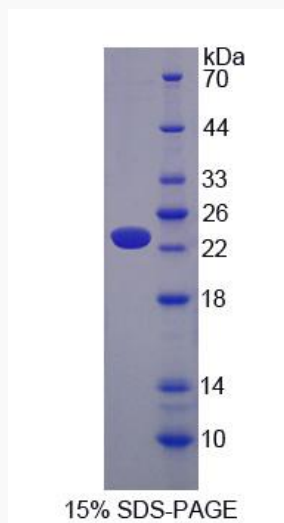
[Q02789](#)

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SDS-PAGE



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