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 1μg (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

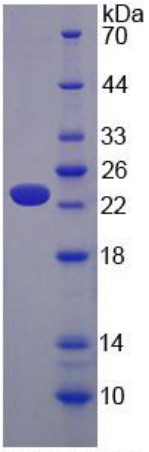
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	Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage 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	 15% SDS-PAGE

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