Recombinant Mouse Cacna1c protein, His & T7-tagged

Cat. No. Cacna1c-1423M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cacna1c aa. (Ser1978~Leu2139 (Accession # Q01815) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ser1978~Leu2139
Form	Freeze-dried powder
Molecular Mass	25kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.5.
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

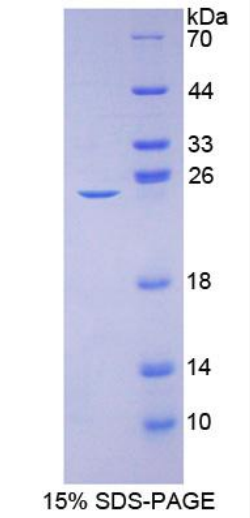
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	Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage 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	Cacna1c calcium channel, voltage-dependent, L type, alpha 1C subunit [Mus musculus (house mouse)]
Official Symbol	Cacna1c
Synonyms	Cacna1c; calcium channel, voltage-dependent, L type, alpha 1C subunit; MBC; Cav1.2; Cchl1a1; MELC-CC; D930026N18Rik; voltage-dependent L-type calcium channel subunit alpha-1C; brain class C; calcium channel voltage-dependent alpha1c subunit; calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle; neuronal voltage-gated calcium channel alpha 1C subunit; skeletal muscle-specific calcium channel; voltage-gated calcium channel subunit alpha Cav1.2
Gene ID	12288
mRNA Refseq	NM_001159533.2
Protein Refseq	NP_001153005.1
UniProt ID	Q01815

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SDS-PAGE	 15% SDS-PAGE

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