Recombinant Mouse Cacna1h protein, His & GST-tagged

Cat. No. Cacna1h-1424M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cacna1h aa. (Ser2160~Val2359 (Accession # O88427) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ser2160~Val2359
Description	Voltage-dependent Ca(2+) channels mediate the entry of Ca(2+) ions into excitable cells and are involved in a variety of Ca(2+)-dependent processes, including muscle contraction, hormone or neurotransmitter release, and gene expression. The protein encoded by this gene is an integral membrane protein that belongs to the calcium channel alpha-1 subunits family. Two transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 50.9kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.6.

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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 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	Cacna1h calcium channel, voltage-dependent, T type, alpha 1H subunit [Mus musculus (house mouse)]
Official Symbol	Cacna1h
Synonyms	Cacna1h; calcium channel, voltage-dependent, T type, alpha 1H subunit; Cav3.2; MNCb-1209; alpha13.2; voltage-dependent T-type calcium channel subunit alpha-1H; T-type Cav3.2; calcium channel alpha13.2 subunit; low-voltage-activated calcium channel alpha13.2 subunit; voltage-gated calcium channel subunit alpha Cav3.2
Gene ID	58226
mRNA Refseq	NM_021415.4

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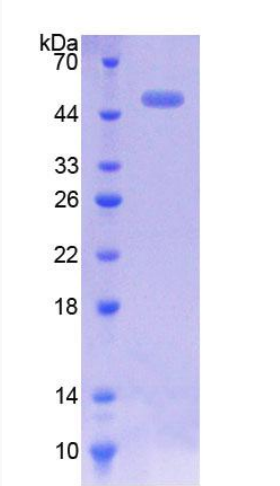
Protein Refseq	NP_067390.4
UniProt ID	O88427
SDS-PAGE	

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