

Recombinant Mouse Scn4b Protein, Myc/DDK-tagged

Cat. No. Scn4b-5717M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length sodium channel, type IV, beta (Scn4b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Modulates channel gating kinetics. Causes negative shifts in the voltage dependence of activation of certain alpha sodium channels, but does not affect the voltage dependence of inactivation. Modulates the susceptibility of the sodium channel to inhibition by toxic peptides from spider, scorpion, wasp and sea anemone venom.
Molecular Mass	25.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Scn4b sodium channel, type IV, beta [Mus musculus (house mouse)]
Official Symbol	Scn4b
Synonyms	SCN4B; sodium channel, type IV, beta; sodium channel subunit beta-4; sodium channel beta 4 subunit; sodium channel accessory subunit; sodium channel, type IV, beta polypeptide; voltage gated sodium channel beta 4 subunit; Gm1471
Gene ID	399548
mRNA Refseq	NM_001013390
Protein Refseq	NP_001013408
UniProt ID	Q7M729

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