

## Recombinant Mouse Scn4b Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length sodium channel, type IV, beta (Scn4b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	25.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**GENE INFORMATION**

<b>Gene Name</b>	Scn4b sodium channel, type IV, beta [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Scn4b
<b>Synonyms</b>	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
<b>Gene ID</b>	399548
<b>mRNA Refseq</b>	NM_001013390
<b>Protein Refseq</b>	NP_001013408
<b>UniProt ID</b>	Q7M729

 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA