

Recombinant Human SCN11A protein, His-tagged

Cat. No. SCN11A-3910H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SCN11A protein(812-1051 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	812-1051 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	NSFSNEERNNGNLEGEARKTKVQLALDRFRRAFCFVRHTLEHFCHKWCRKQNLPPQ KEVAGGCAAQSKDIPLVMEMKRGSETQEELGILTSVPKTLGVRHDWTWLAPLAE DDVEFSGEDNAQRITQPEPEQQAYELHQENKKPTSQRVQSVEIDMFSEDEPHLTIQ DPRKKSVDTSILSECSTIDLQDGFGLPEMVPKKQPERCLPKGFGCCFPCCSVDKR KPPWVIWWNLRKTCYQ
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Reconstitution Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name [SCN11A sodium channel, voltage-gated, type XI, alpha subunit \[Homo sapiens \]](#)

Official Symbol [SCN11A](#)

Synonyms

SCN11A; sodium channel, voltage-gated, type XI, alpha subunit; SCN12A, sodium channel, voltage gated, type XI, alpha polypeptide , sodium channel, voltage gated, type XII, alpha; sodium channel protein type 11 subunit alpha; NaN; Nav1.9; SNS 2; PN5; hNaN; sensory neuron sodium channel 2; peripheral nerve sodium channel 5; voltage-gated sodium channel Nav1.9; sodium channel protein type XI subunit alpha; voltage-gated sodium channel subunit alpha Nav1.9; sodium channel, voltage-gated, type XI, alpha polypeptide; sodium channel, voltage-gated, type XII, alpha polypeptide; SNS-2; NAV1.9; SCN12A;

Gene ID [11280](#)

mRNA Refseq [NM_014139](#)

Protein Refseq [NP_054858](#)

MIM [604385](#)

UniProt ID [Q9UI33](#)

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