

Recombinant Human SCN5A protein, His-tagged

Cat. No. SCN5A-2537H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SCN5A protein(422-714 aa), fused with His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	422-714 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	<p> ATIAETEEKEKRFQEAMMLKKEHEALTIRGVDTVSRSSLEMSPLAPVNSHERRSKR RKRMSSTGTEECGEDRLPKSDSEDPGRAMNHLSLTRGLSRTSMKPRSSRGSIFTR RRDLGSEADFADDENSTAGESESHRTSLLVPWPLRRTSAQQQPSPGTSAPGHALH GKKNSTVDCNGVVSLGAGDPEATSPGSHLLRPVMLEHPPDTTTTPSEEPGGPQML TSQAPCVDGFEEPGARQRALSAVSVLTSALEELEESRHKCPPCWNRLAQRYLWEC CPLWMSIKQGKLVV </p>
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	<p>Short-term storage: Store at 2-8°C for (1-2 weeks).</p> <p>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</p>

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cycles.

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

SCN5A sodium channel, voltage-gated, type V, alpha subunit [Homo sapiens]

Official Symbol

SCN5A

Synonyms

SCN5A; sodium channel, voltage-gated, type V, alpha subunit; CMD1E, sodium channel, voltage gated, type V, alpha (long QT syndrome 3); sodium channel protein type 5 subunit alpha; CDCD2; CMPD2; HB1; HB2; HBBD; HH1; ICCD; IVF; long QT syndrome 3; LQT3; Nav1.5; PFHB1; SSS1; voltage-gated sodium channel subunit alpha Nav1.5; sodium channel protein cardiac muscle subunit alpha; cardiac tetrodotoxin-insensitive voltage-dependent sodium channel alpha subunit; VF1; CMD1E;

Gene ID

6331

mRNA Refseq

NM_000335

Protein Refseq

NP_000326

MIM

600163

UniProt ID

Q14524

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