Recombinant Full Length Human sodium voltage-gated channel alpha subunit 5A Protein, GST tagged

Cat. No. SCN5A-15HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SCN5A full-length ORF (AAH51374.1, 1 a.a. - 223 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
ProteinLength	1-2016aa
Description	The protein encoded by this gene is an integral membrane protein and tetrodotoxin-resistant voltage-gated sodium channel subunit. This protein is found primarily in cardiac muscle and is responsible for the initial upstroke of the action potential in an electrocardiogram. Defects in this gene are a cause of long QT syndrome type 3 (LQT3), an autosomal dominant cardiac disease. Alternative splicing results in several transcript variants encoding different isoforms.
Tag	N-GST
Molecular Mass	51.8 kDa
AA Sequence	MANFLLPRGTSSFRRFTRESLAAIEKRMAEKQARGSTTLQESREGLPEEEAPRPQL DLQASKKLPDLYGNPPQELIGEPLEDLDPFYSTQKTFIVLNKGKTIFRFSATNALYVLS PFHPIRRAAVKILVHSLFNMLIMCTILTNCVFMAQHDPPPWTKYVEYTFTAIYTFESLV KILARGFCLHAFTFLRDPWNWLDFSVIIMAASVLGTLFFPMSIQATSTS

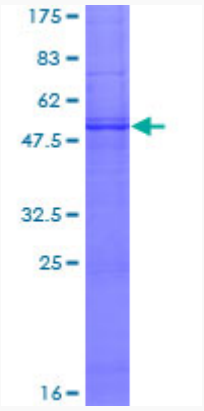
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Quality Control Testing	12.5 % SDS-PAGE Stained with Coomassie Blue.
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	SCN5A sodium voltage-gated channel alpha subunit 5 [Homo sapiens (human)]
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

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

Protein Refseq	NP_000326
MIM	600163
UniProt ID	Q14524
SDS-PAGE /Western-blot	

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