

## Product datasheet for **TP762490**

### Nav1.5 (SCN5A) (NM\_198056) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human sodium channel, voltage-gated, type V, alpha subunit (SCN5A), transcript variant 1, 450Ile-650Val, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region (450Ile-650Val) of SCN5A
Tag:	N-His
Predicted MW:	23.9kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_932173</a>
Locus ID:	6331
UniProt ID:	<a href="#">Q14524</a>
RefSeq Size:	8527
Cytogenetics:	3p22.2
RefSeq ORF:	6048
Synonyms:	CDCD2; CMD1E; CMPD2; HB1; HB2; HBBD; HH1; ICCD; IVF; LQT3; Nav1.5; PFHB1; SSS1; VF1



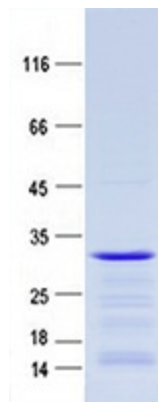
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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Ion Channels: Sodium, Transmembrane

**Product images:**

Purified recombinant protein SCN5A was analyzed by SDS-PAGE gel and Coomassie Blue Staining.