



Human SCN4B peptide (DAG-P1153)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is one of several sodium channel beta subunits. These subunits interact with voltage-gated alpha subunits to change sodium channel kinetics. The encoded transmembrane protein forms interchain disulfide bonds with SCN2A. Defects in this gene are a cause of long QT syndrome type 10 (LQT10). Three protein-coding and one non-coding transcript variant have been found for this gene.[provided by RefSeq, Mar 2009]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SCN4B sodium channel, voltage-gated, type IV, beta subunit [Homo sapiens (human)]
Official Symbol	SCN4B
Synonyms	SCN4B; sodium channel, voltage-gated, type IV, beta subunit; LQT10; Navbeta4; sodium channel subunit beta-4;
Entrez Gene ID	6330
mRNA Refseq	NM_001142348.1
Protein Refseq	NP_001135820.1

UniProt ID	Q8IWT1
Chromosome Location	11q23.3
Pathway	Adrenergic signaling in cardiomyocytes, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, conserved biosystem; SIDS Susceptibility Pathways, organism-specific biosystem;
Function	ion channel binding; sodium channel regulator activity; voltage-gated sodium channel activity; voltage-gated sodium channel activity involved in cardiac muscle cell action potential;