

Product datasheet for PH323951

SCN4B (NM_174934) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SCN4B MS Standard C13 and N15-labeled recombinant protein (NP_777594)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223951
Predicted MW:	22 kDa
Protein Sequence:	>RC223951 representing NM_174934 Red=Cloning site Green=Tags(s) MPGAGDGGKAPARWLGTLLGLFLLPVTL SLEVSVGKATDIYAVNGTEILLPCTFSSCFGFEDLHFRWY NSSDAFKILIEGTVKNEKSDPKVTLKDDDRITLVGSTKEKMNNISIVLRDLEFSDTGKYTCHVKNPKENN LQHHATIFLQVVDRL EEV DNTVTLIILAVVGGVIGLLIILLIKLIIIFILKKTREKKKECLVSSSGNDN TENGLPGSKAEKPPSKV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_777594
RefSeq Size:	4489
RefSeq ORF:	684
Synonyms:	ATFB17; LQT10; Navbeta4
Locus ID:	6330
UniProt ID:	Q8IWT1 , B0YJ93



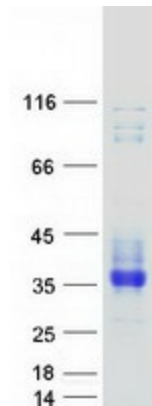
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Cytogenetics: 11q23.3

Summary: 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]

Protein Families: Ion Channels: Sodium, Transmembrane

Product images:



Coomassie blue staining of purified SCN4B protein (Cat# [TP323951]). The protein was produced from HEK293T cells transfected with SCN4B cDNA clone (Cat# [RC223951]) using MegaTran 2.0 (Cat# [TT210002]).