

# Product datasheet for AR50187PU-N

### Syntrophin-1 / SNTA1 (1-505, His-tag) Human Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Syntrophin-1 / SNTA1 (1-505, His-tag) human recombinant protein, 0.25 mg Species: Human E. coli **Expression Host: Expression cDNA Clone** MGSSHHHHHH SSGLVPRGSH MGSMASGRRA PRTGLLELRA GAGSGAGGER WQRVLLSLAE or AA Sequence: DVLTVSPADG DPGPEPGAPR EQEPAQLNGA AEPGAGPPQL PEALLLQRRR VTVRKADAGG LGISIKGGRE NKMPILISKI FKGLAADQTE ALFVGDAILS VNGEDLSSAT HDEAVQVLKK TGKEVVLEVK YMKDVSPYFK NSTGGTSVGW DSPPASPLQR QPSSPGPTPR NFSEAKHMSL KMAYVSKRCT PNDPEPRYLE ICSADGQDTL FLRAKDEASA RSWATAIQAQ VNTLTPRVKD ELQALLAATS TAGSQDIKQI GWLTEQLPSG GTAPTLALLT EKELLLYLSL PETREALSRP ARTAPLIATR LVHSGPSKGS VPYDAELSFA LRTGTRHGVD THLFSVESPQ ELAAWTRQLV DGCHRAAEGV QEVSTACTWN GRPCSLSVHI DKGFTLWAAE PGAARAVLLR QPFEKLQMSS DDGASLLFLD FGGAEGEIQL DLHSCPKTIV FIIHSFLSAK VTRLGLLA Tag: His-tag Predicted MW: 56.3 kDa **Concentration:** lot specific >85% by SDS - PAGE Purity: **Buffer: Presentation State: Purified** State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.15M NaCl **Preparation:** Liquid purified protein **Protein Description:** Recombinant human SNTA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. Stability: **RefSeq:** NP 003089 Locus ID: 6640



/iew online »

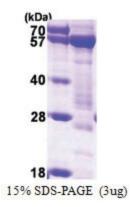
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

	Syntrophin-1 / SNTA1 (1-505, His-tag) Human Protein – AR50187PU-N
UniProt ID:	<u>Q13424</u>
Cytogenetics:	20q11.21
Synonyms:	dJ1187J4.5; LQT12; SNT1; TACIP1
Summary:	Syntrophins are cytoplasmic peripheral membrane scaffold proteins that are components of the dystrophin-associated protein complex. This gene is a member of the syntrophin gene family and encodes the most common syntrophin isoform found in cardiac tissues. The N- terminal PDZ domain of this syntrophin protein interacts with the C-terminus of the pore- forming alpha subunit (SCN5A) of the cardiac sodium channel Nav1.5. This protein also associates cardiac sodium channels with the nitric oxide synthase-PMCA4b (plasma membrane Ca-ATPase subtype 4b) complex in cardiomyocytes. This gene is a susceptibility locus for Long-QT syndrome (LQT) - an inherited disorder associated with sudden cardiac death from arrhythmia - and sudden infant death syndrome (SIDS). This protein also associates with dystrophin and dystrophin-related proteins at the neuromuscular junction and alters intracellular calcium ion levels in muscle tissue. [provided by RefSeq, Jan 2013]

## Product images:



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US