

## Product datasheet for **AR50187PU-S**

### 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, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMASGRRA PRTGLLELRA GAGSGAGGER WQRVLLSLAE DVLTVSPADG DPGPEPGAPR EQEPAQLNGA AEPGAGPPQL PEALLQRRR VTVRKADAGG LGISIKGGRE NKMPILISKI FKGLAADQTE ALFVGDAILS VNGEDLSSAT HDEAVQVLKK TGKEVVLEVK YMKDVSPLYFK NSTGGTSVGW DSPPASPLQR QPSSPGPTPR NFSEAKHMSL KMAYVSKRCT PNDPEPRYLE ICSADGQDTL FLRAKDEASA RSWATAIQAQ VNTLTPRVKD ELQALLAATS TAGSQDIKQI GWLTEQLPSG GTAPTLALLT EKELLYLSL PETREALSRP ARTAPLIATR LVHSGPSKGS VPYDAELSFA LRTGTRHGVD THLFSVESPO ELAAWTRQLV DGCHRAAEGV QEVSTACTWN GRPCSLSVHI DKGFTLWAAE PGAARAVLLR QPFKQLMSS DDGASLLFLD FGGAEGEIQL DLHSCPCTIV FIIHSFLSAK VTRLGLLA
Tag:	His-tag
Predicted MW:	56.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_003089</a>
Locus ID:	6640



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UniProt ID:	<a href="#">Q13424</a>
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:

