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SNTA1 Protein (Myc-DYKDDDDK Tag)



Image



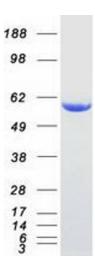
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| Quantity: | 20 μg | |
|-------------------------------|--|--|
| Target: | SNTA1 | |
| Origin: | Human | |
| Source: | HEK-293 Cells | |
| Protein Type: | Recombinant | |
| Purification tag / Conjugate: | This SNTA1 protein is labelled with Myc-DYKDDDDK Tag. | |
| Application: | Antibody Production (AbP), Standard (STD) | |
| Product Details | | |
| Characteristics: | Recombinant human Syntrophin-1 / SNTA1 protein expressed in HEK293 cells. Produced with end-sequenced ORF clone | |
| Purity: | > 80 % as determined by SDS-PAGE and Coomassie blue staining | |
| Target Details | | |
| Target: | SNTA1 | |
| Alternative Name: | Syntrophin-1,snta1 (SNTA1 Products) | |
| Background: | 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 poreforming 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. | |
| Molecular Weight: | 53.7 kDa | |
| NCBI Accession: | NP_003089 | |
| Pathways: | Synaptic Membrane, Skeletal Muscle Fiber Development | |
| Application Details | | |
| Application Notes: | Recombinant human proteins can be used for: | |
| | Native antigens for optimized antibody production | |
| | Positive controls in ELISA and other antibody assays | |
| Comment: | The tag is located at the C-terminal. | |
| Restrictions: | For Research Use only | |
| Handling | | |
| Concentration: | 50 μg/mL | |
| Buffer: | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol. | |
| Storage: | -80 °C | |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze | |

immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot