

Syntrophin Beta 1 Recombinant Protein | SNTb1 recombinant protein

Recombinant Syntrophin Beta 1 (SNTb1)

CATALOG # AAA145450	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Syntrophin Beta 1; Recombinant Syntrophin Beta 1 (SNTb1); SNT-B1; A1B; 59-DAP; BSYN2; DAPA1B; SNT2; SNT2B1; TIP43; Dystrophin-Associated Protein A1; 59kDa; Basic Component 1; Syntrophin-2; Tax interaction protein 43; SNTb1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 97%
Form/Format	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	AVAAAAVAAP AGGGGARAQR SGLLEVLVRD RWHKVLNLS EDALVLSCEE GAAAYNGIGA ATNGSFCRGS GTGHPVPGVA QAPDSPAGVR TAFTDLPEQV PESISNQKRG VKVLKQELGG LGISIKGGKE NKMPILISKI FKGLAADQTQ ALYVGDAILS VNGADLRDAT HDEAVQALKR AGKEVLLEVK YMREATPYVK KGSPVSEIGW ETPPESPRL GGGSAEPLSS QSFSFHRDRK SIPLKMCYVT RNMTLADPEN RQLEIHSPDA KHTVILRSKD SATAQAWFSA IHSNAG
Applicable Applications for SNTb1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ala2~Gly297
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	8.7
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affect the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Preparation and Storage

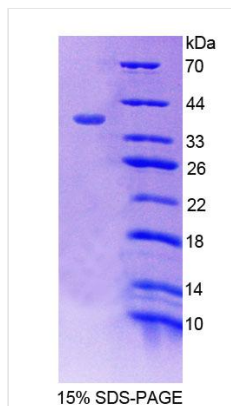
Storage:

Avoid repeated freeze/thaw cycles.
Store at 2-8 degree C for one month.
Aliquot and store at -80 degree C for 12 months.

Stability Test:

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	119612414
NCBI GeneID	6641
Molecular Weight	Predicted Molecular Mass: 34.9kDa Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1)
NCBI Official Synonym Full Names	syntrophin beta 1
NCBI Official Symbol	SNTB1
NCBI Official Synonym Symbols	A1B; SNT2; BSYN2; 59-DAP; DAPA1B; SNT2B1; TIP-43
NCBI Protein Information	beta-1-syntrophin
UniProt Protein Name	Beta-1-syntrophin
UniProt Gene Name	SNTB1
UniProt Synonym Gene Names	SNT2B1; DAPA1B; TIP-43
UniProt Entry Name	SNTB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sntb1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/145450>