

Recombinant human SNTA1 protein

Catalog Number: ATGP1362

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-505aa

UniProt No.

Q13424

NCBI Accession No.

NP_003089.1

Alternative Names

Syntrophin alpha 1, Syntrophin, alpha 1, dj1187J4.5, LQT12, SNT1, TACIP1

PRODUCT SPECIFICATION

Molecular Weight

56.3 kDa (528aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SNTA1 is a member of the syntrophin gene family, which is a peripheral membrane protein found associated with dystrophin and dystrophin-related proteins. Dystrophin is a large, rod-like cytoskeletal protein found at the inner surface of muscle fibers. Dystrophin is missing in Duchenne Muscular Dystrophy patients and is present in reduced amounts in Becker Muscular Dystrophy patients. Recombinant human SNTA1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

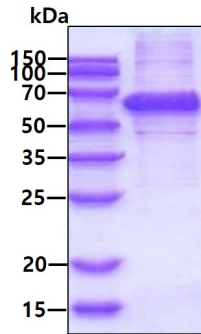
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ALFVGDAIIS VNGEDLSSAT HDEAVQVLKK TGKEVVLEVK YMKDVSPYFK NSTGGTSVGW DSPPASPLQR QPSSPGPTPR
NFSEAKHMSL KMAYVSKRCT PNDPEPRYLE ICSADGQDTL FLRAKDEASA RSWATAIQAQ VNTLTTPRVKD ELQALLAATS
TAGSQDIKQI GWLTEQLPSG GTAPTLALLT EKELLYLSL PETREALSRP ARTAPLIATR LVHSGPSKGS VPYDAELSFA
LRTGTRHGVD THLFSVESPO ELAAWTRQLV DGCHRAAEGV QEVSTACTWN GRPCSLSVHI DKGFTLWAAE PGAARAVLLR
QPFEKLMSS DDGASLLFLD FGGAEGEIQI DLHSCPCTIV FIIHSFLSAK VTRLGLLA

General References

Newey SE., et al. (2000) *Curr Biol.* 10(20):1295-8.
Adams ME., et al. (2000) *J Cell Biol.* 150(6):1385-98.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.