

SNTA1, 1-505 aa, Human, His tag E.coli

Cat.NO.: TP03993

3th Edition

Synonyms:Syntrophin, alpha 1, dJ1187J4.5, LQT12, SNT1, TACIP1

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.

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

Molecular Weight:56.3 kDa (528aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMASGRRAPRTGLLELRAGAGSGAGGERWQRVLLSLAEDVLTVSPADGDPG
PEPGAPREQEPAQLNGAAEPGAGPPQLPEALLLQRRRVTVRKADAGGLGISIKGGRENKMPILISKIFKGLAADQTE
ALFVGDAILSVNGEDLSSATHDEAVQVLKKTGKEVVLEVKYMKDVSPYFKNSTGGTSVGVWDSPASPLQRQPSSP
GPTPRNFSEAKHMSLKMAYVSKRCTPNDPEPRYLEICSDGQDTLFLRAKDEASARSWATAIQAQVNTLTPRVKDE
LQALLAATSTAGSQDIKQIGWLTEQLPSGGTAPTLALLTEKELLYLSLPETREALSRPARTAPLIATRLVHSGPSKGS
VPYDAELSFALRTGTRHGVDTHLFSVESPQELAAWTRQLVDGCHRAAEGVQEVSTACTWNGRPCSLSVHIDKGFT
LWAAEPGAARAVLLRQPFEKLMSSDDGASLLFLDFGGAEGEIQLDLHSCPKTIVFIIHSFLSAKVTRLGLLA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.