antibodies

Datasheet for ABIN3131181 Triadin Protein (TRDN) (AA 1-693) (rho-1D4 tag)



Overview

Image

Quantity:	1 mg
Target:	Triadin (TRDN)
Protein Characteristics:	AA 1-693
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Triadin protein is labelled with rho-1D4 tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:	MTEITAEGNA STTTTVIDNK NGCIPKSPGK VLKRSVTEDI VTTFSSPAAW LLVIALIITW
	SAVAIVMFDL VDYKNFSASS IAKIGSDPLK LVNDAVEETT DWIYGFFSLL SDIISSEGDE
	DDEDADEDID KGEIEEPPLK RKEIHQEKAE KEEKPEKKIQ TKASHREREK GKEKLKGEKP
	EKTATHKEKL EKKERPETKM MAKEDKKIKT KEKTEEKAKK EMKVGKQEKV KPTAAKAKET
	PKTPPKARKK DDKEMPAVHE QKDQYAFCRY MIDMFVHGDL KPGQSPVMPP PSLTPSKPAL
	STTALEEKEK EEKKKMEKKD TSDTKKKEKE VKKKSEETTI DGKGKEPGKP PETKQMTAKL
	TTQAAARKDE KKEESKKMRK PTEEQPKGKK QEKKEKHIEP AKTPKKEHPG PSEKLKKAKA
	EQAKEEIAAA STKKALHGKK EEKAKTVEQE VKKEKSGKSS SDLKDKEVKK EKSGKSSSDL
	KDKEPQLKNE EKSKPQVKKE AKLASSDKGQ TRKQNITRPE QVIPHVKPEK AEHQEKGHPS
	IKKDKPKPSS KGAPEVPDSG KKKIEKSEKE SKVPTREENL QVYNVTKAEK PGKIPKDSKE
	APASKKDKED SKEAPTSKKD KEDSKDVPHS KKDKEVTDDV SSPKKQTRPI SFFQCVYLNG
	YNGYGFQFPV TPVQQPGENP GKTNSPGQKQ QEQ

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Product Details	
Endotoxin Level:	Protein is endotoxin-free.
Grade:	Crystallography grade
Target Details	
Target:	Triadin (TRDN)
Alternative Name:	Trdn (TRDN Products)
Background:	Contributes to the regulation of lumenal Ca2+ release via the sarcoplasmic reticulum calcium release channels RYR1 and RYR2, a key step in triggering skeletal and heart muscle contraction. Required for normal organization of the triad junction, where T-tubules and the sarcoplasmic reticulum terminal cisternae are in close contact. Required for normal skeletal muscle strength (PubMed:19843516). Plays a role in excitation-contraction coupling in the heart and in regulating the rate of heart beats. {ECO:0000269 PubMed:19383796, ECO:0000269 PubMed:19843516, ECO:0000269 PubMed:22768324}.
Molecular Weight:	79.0 kDa Including tag.
UniProt:	E9Q9K5
Pathways:	Negative Regulation of Transporter Activity
Application Details	
Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.

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Handling

Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images

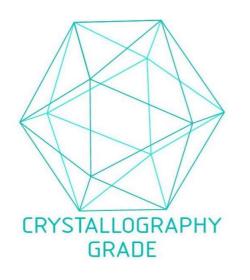


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process

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