Datasheet for ABIN7555706

TDRD1 Protein (AA 1-1180) (His tag)

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Overview

Quantity:	1 mg
Target:	TDRD1
Protein Characteristics:	AA 1-1180
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TDRD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TDRD1 Protein expressed in mammalien cells.
Sequence:	MSVKSPFNVM SRNNLEAPPC KMTEPFNFEK NENKLPPHES LRSPGTLPNH PNFRLKSSEN GNKKNNFLLC EQTKQYLASQ EDNSVSSNPN GINGEVVGSK GDRKKLPAGN SVSPPSAESN SPPKEVNIKP GNNVRPAKSK KLNKLVENSL SISNPGLFTS LGPPLRSTTC HRCGLFGSLR CSQCKQTYYC STACQRRDWS AHSIVCRPVQ PNFHKLENKS SIETKDVEVN NKSDCPLGVT KEIAIWAERI MFSDLRSLQL KKTMEIKGTV TEFKHPGDFY VQLYSSEVLE YMNQLSASLK ETYANVHEKD YIPVKGEVCI AKYTVDQTWN RAIIQNVDVQ QKKAHVLYID YGNEEIIPLN RIYHLNRNID LFPPCAIKCF VANVIPAEGN WSSDCIKATK PLLMEQYCSI KIVDILEEEV VTFAVEVELP NSGKLLDHVL IEMGYGLKPS GQDSKKENAD QSDPEDVGKM TTENNIVVDK SDLIPKVLTL NVGDEFCGVV AHIQTPEDFF CQQLQSGRKL AELQASLSKY CDQLPPRSDF YPAIGDICCA QFSEDDQWYR ASVLAYASEE SVLVGYVDYG NFEILSLMRL CPIIPKLLEL PMQAIKCVLA GVKPSLGIWT PEAICLMKKL VQNKIITVKV VDKLENSSLV ELIDKSETPH

Product Details

	VSVSKVLLDA GFAVGEQSMV TDKPSDVKET SVPLGVEGKV NPLEWTWVEL GVDQTVDVVV CVIYSPGEFY CHVLKEDALK KLNDLNKSLA EHCQQKLPNG FKAEIGQPCC AFFAGDGSWY RALVKEILPN GHVKVHFVDY GNIEEVTADE LRMISSTFLN LPFQGIRCQL ADIQSRNKHW SEEAITRFQM CVAGIKLQAR VVEVTENGIG VELTDLSTCY PRIISDVLID EHLVLKSASP HKDLPNDRLV NKHELQVHVQ GLQATSSAEQ WKTIELPVDK TIQANVLEII SPNLFYALPK GMPENQEKLC MLTAELLEYC NAPKSRPPYR PRIGDACCAK YTSDDFWYRA VVLGTSDTDV EVLYADYGNI ETLPLCRVQP ITSSHLALPF QIIRCSLEGL MELNGSSSQL IIMLLKNFML NQNVMLSVKG ITKNVHTVSV EKCSENGTVD VADKLVTFGL AKNITPQRQS ALNTEKMYRM NCCCTELQKQ VEKHEHILLF LLNNSTNQNK FIEMKKLLKS **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TDRD1
Alternative Name:	TDRD1 (TDRD1 Products)
Background:	Tudor domain-containing protein 1 (Cancer/testis antigen 41.1) (CT41.1),FUNCTION: Plays a

Target Details

	central role during spermatogenesis by participating in the repression transposable elements and preventing their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Required for the localization of Piwi proteins to the meiotic nuage. Involved in the piRNA metabolic process by ensuring the entry of correct transcripts into the normal piRNA pool and limiting the entry of cellular transcripts into the piRNA pathway. May act by allowing the recruitment of piRNA biogenesis or loading factors that ensure the correct entry of transcripts and piRNAs into Piwi proteins (By similarity). {ECO:0000250}.
Molecular Weight:	132.0 kDa
UniProt:	Q9BXT4
Pathways:	Ribonucleoprotein Complex Subunit Organization

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 guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months