Datasheet for ABIN7555746

TDRD9 Protein (AA 1-1382) (His tag)

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Overview

Quantity:	1 mg
Target:	TDRD9
Protein Characteristics:	AA 1-1382
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TDRD9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TDRD9 Protein expressed in mammalian cells.
Sequence:	MLRKLTIEQI NDWFTIGKTV TNVELLGAPP AFPAGAAREE VQRQDVAPGA GPAAQAPALA QAPARPAAAF ERSLSQRSSE VEYINKYRQL EAQELDVCRS VQPTSGPGPR PSLAKLSSVT CIPGTTYKYP DLPISRYKEE VVSLIESNSV VIIHGATGSG KSTQLPQYIL DHYVQRSAYC SIVVTQPRKI GASSIARWIS KERAWTLGGV VGYQVGLEKI ATEDTRLIYM TTGVLLQKIV SAKSLMEFTH IIIDEVHERT EEMDFLLLVV RKLLRTNSRF VKVVLMSATI SCKEFADYFA VPVQNKMNPA YIFEVEGKPH SVEEYYLNDL EHIHHSKLSP HLLEEPVITK DIYEVAVSLI QMFDDLDMKE SGNKAWSGAQ FVLERSSVLV FLPGLGEINY MHELLTSLVH KRLQVYPLHS SVALEEQNNV FLSPVPGYRK IILSTNIAES SVTVPDVKYV IDFCLTRTLV CDEDTNYQSL RLSWASKTSC NQRKGRAGRV SRGYCYRLVH KDFWDNSIPD HVVPEMLRCP LGSTILKVKL LDMGEPRALL ATALSPPGLS DIERTILLLK EVGALAVSGQ REDENPHDGE LTFLGRVLAQ LPVNQQLGKL IVLGHVFGCL DECLIIAAAL SLKNFFAMPF RQHLDGYRNK VNFSGSSKSD CIALVEAFKT WKACRQTGEL RYPKDELNWG RLNYIQIKRI REVAELYEEL KTRISQFNMH

	VDSRRPVMDQ EYIYKQRFIL QVVLAGAFYP NYFTFGQPDE EMAVRELAGK DPKTTVVLKH IPPYGFLYYK QLQSLFRQCG QVKSIVFDGA KAFVEFSRNP TERFKTLPAV YMAIKMSQLK VSLELSVHSA EEIEGKVQGM NVSKLRNTRV NVDFQKQTVD PMQVSFNTSD RSQTVTDLLL TIDVTEVVEV GHFWGYRIDE NNSEILKKLT AEINQLTLVP LPTHPHPDLV CLAPFADFDK QRYFRAQVLY VSGNSAEVFF VDYGNKSHVD LHLLMEIPCQ FLELPFQALE FKICKMRPSA KSLVCGKHWS DGASQWFASL VSGCTLLVKV FSVVHSVLHV DVYQYSGVQD AINIRDVLIQ QGYAELTEES YESKQSHEVL KGLFSKSVEN MTDGSVPFPM KDDEKYLIRI LLESFSTNKL GTPNCKAELH GPFNPYELKC HSLTRISKFR CVWIEKESIN SVIISDAPED LHQRMLVAAS LSINATGSTM LLRETSLMPH IPGLPALLSM LFAPVIELRI DQNGKYYTGV LCGLGWNPAT GASILPEHDM ELAFDVQFSV EDVVEVNILR AAINKLVCDG PNGCKCLGPE RVAQLQDIAR QKLLGLFCQS KPREKIVPKW HEKPYEWNQV DPKLVMEQAD RESSRGKNTF LYQLHKLVVL GT **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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TDRD9
Alternative Name:	TDRD9 (TDRD9 Products)
Background:	ATP-dependent RNA helicase TDRD9 (EC 3.6.4.13) (Tudor domain-containing protein 9),FUNCTION: ATP-binding RNA helicase required during spermatogenesis (PubMed:28536242). Required to repress transposable elements and prevent 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. Acts downstream of piRNA biogenesis: exclusively required for transposon silencing in the nucleus, suggesting that it acts as a nuclear effector in the nucleus together with PIWIL4. {ECO:0000250|UniProtKB:Q14BI7, ECO:0000269|PubMed:28536242}.
Molecular Weight:	155.7 kDa
UniProt:	Q8NDG6

Application Details

Application Notes:	We expect the protein to work for functional studies. 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