

Datasheet for ABIN7555699  
**TDRD5 Protein (AA 1-981) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TDRD5
Protein Characteristics:	AA 1-981
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TDRD5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TDRD5 Protein expressed in mammalian cells.
Sequence:	MSEQERIQEC LRKEIRSLLI STKDGLSPQE LEKEYLLMVG NHLPLRILGY RSTMELVLDM PDVVRVCPGA GGTVILKAIP DESTKGIASL VAKQRSSHKL RNSMHKGRPS IYSGPRSHRR VPYRGRVAPI LPAVVKSELK DLLALSPVLL SDFEKAFKR FGSRFQYMQY GFLSMFEVLN AASDVISVEQ TRAGSLLMLK KSVTEEKPRG CPAGKIFTQP FRMKQGSYST GFPVAKPCFS QPTSNMPEPK QIMSMEKTSK LNVVETSR LN HTEKLNQLEN TFKSVIAIQI PGGTISSELK HKIKFVVS KF PEGLFISKLL GEYEVIFKEQ LSPKKGFLN VTELVGALSD ILHVEFRKGH QDLLVFDADK KPLPPVQSDK KIEAKACVSS PPRNSLSTAA VKETVWNCPS KKQKEPQQKI CKKPNLVV KP LQLQVETNKS ELN LAMANHD IPPDAVPNKK LCRLPPLDTS SLIGVFVEYI ISPSQFYIRI YSRDSEELLE DMMIEMRRCY SNQLVSDRYV MPECFIQPGH LCCVRISEDK WWYRVIIHRV LEKQEVEVFY PDFGNIGIVQ KSSLRFLKCC YTKLPAQAIP CSLAWVRPVE EHWTSKAILQ FQKLCGLKPL VGVWDEYVDG ILNIFLCDTS SNEDVYFHHV LRTEGHAIVC RENISSKGF S ELNPLALYTT SSGGPEDIVL TELGYPSQQH YFNEDRKISP QSKESLRIL

## Product Details

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DEIPTGMPCL ESVTIGDDIW DENWLPLQAK MGKGGDAASH LFTASLGGKN QYSSCKEMPO  
KDWCFSTPKD TWDDSWQPSG LVNGTKVEVH KPEVLGAQEK NTGTNRTQKQ LDINGSSDSS  
TLPKLEEFCT SLTQSEQSAD GSQSEPNNSQ TQPKQIQLST AAPCSTTAVD DSAEKPSGSV  
ESSPEILKNE DFSSSRITL YKDKRQESVD QLSLILSYEC QISQKLYIPR STATAALGAA  
ARLATSRSLL HWYPSVKRME A **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

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**Target:** TDRD5

**Alternative Name:** TDRD5 ([TDRD5 Products](#))

**Background:** Tudor domain-containing protein 5,FUNCTION: Required during spermiogenesis to participate in the repression transposable elements and prevent their mobilization, which is essential for the germline integrity. Probably acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of

## Target Details

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piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Required for chromatoid body (CB) assembly (By similarity). {ECO:0000250}.

Molecular Weight: 109.7 kDa

UniProt: [Q8NAT2](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

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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

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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