

Datasheet for ABIN7563857  
**TDRD5 Protein (AA 1-1040) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TDRD5
Protein Characteristics:	AA 1-1040
Origin:	Mouse
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:	MSEQERIQDC LRKEIRSLLI STKDGLTPQQ LEKEYLLMVG NHLPLRILGY RSTMELVLDM PDVVSVCPPG DGTVILKAIP DESTKGIASL VAKQRRSHKV RNSMPKGRPS ICSGRVPYRG RVPPILPAVV KSELKDLLAL SPVLLSDFEK AFARRFGRSF QYMQYGFLSM FEVLNAASDV ISVEQTRAGS LLTLKKSVE DKQRGWPAKG VFTQPFRMKQ QGSYSTGFPV MKAHFSQPIS NMEPPKQVLS MAKTPTFNSV EASRLNHTEK LNQLESTFKS VIAQIGPGGT VDPELKRRIQ FVSKFPQGL FISKLLGEFE LTFKEQLSPK QLGFLNVTTEL VGALSDILRV EFSEERQDLL VFDADLKPLP SGGPLSSVRN SCLVQPDKKT EANPWTSSLS RNSLSTVAVK KTTWDCPLKN QKEPEQKIYK KPNLVVKPLQ LQVETNKPQL SLSVANHDIP PDAVRAKKLC RLPLDTSTL VGVFVEYIIS PSQFYIRIYS RDSSELLEDM MIEMRRCYSN QLVSDRYIMP EYFIQPGHLC CVKISEDKWW YRVIIHRILG KKEVEVFYPD FGNIGTVQKS SLRFLKCCYT KLPAQAIPCS LAWVRPAEEH WTARAILHFQ KLCGLKPLVG VVDEYIDGIL NIFLCDTSSN EDVYFHHVLR TEGHAIVCRE NAPSKGFRDF NPPALYTNAS SAGDMVLTDL GHPAQQHYLN EDQEILQQAQ

## Product Details

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QDINDGKCIS YLKSAPKELL KDSKLSSLKT HKSCEEDPRW SILQPKDLKE ENEDEVPTGM  
PCLESVTIGD DVWDENWLPL QAKMGKAGSP ASQLFTSNLV GKKQYQTGGE MAQKDWCFST  
SKDIWDDSWQ PLGLANDVKG GIHTPEGPIA QEKNTSTTRI QQQPDLQYPL DSSTLPKLEE  
FYISLIKSQQ SAERSQSEPA SIQTHAGRAA SKALSSTPAV GDSPENHSGS VESSPGSLKK  
EDVSNRAEA TAKDKSQGAI DQLSFILSPQ HQISQKLYIP RSTATAVLGA AARLATSRSL  
LHWYPSVKGG KLEAERDGVK **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

## Target Details

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repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Required for chromatoid body (CB) assembly. {ECO:0000269|PubMed:21383078}.

Molecular Weight: 116.0 kDa

UniProt: [Q5VCS6](#)

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