

Datasheet for ABIN7564908
TDRD1 Protein (AA 1-1172) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TDRD1
Protein Characteristics:	AA 1-1172
Origin:	Mouse
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 Tdr1 Protein expressed in mammalien cells.
Sequence:	MMPRNNLEAS TCKMAEPPNF EKESKPPPQ DPLRSPVAQH NHPTFRLKSP ENGNTKNNFL LCEQNKQYLA SQEDSSVSS NPAVVNGEVG GSKGDRKPPP TGNPVSPLSL GNSSPPNQVK TKPSSNVTPE KSKKSHLFE NALSVNNPAL FNSLGPPLRS TTCHRCGLFG SLRCSQCKQT YYCSTACQRR DWSSHSTICR PVQQSLNKLE DNKSPFETKA IEVKSEVDCP PGVTKEITAG AERVMFSDLR SLQLKKTMEI KGTVTEFKHP SNFYIQLYSS EVLENMNQLS TSLKETYANV VPEDGYLPVK GEVCVAKYTV DQTNWRAIVQ AVDVLQRKAH VLYIDYGNEE MIPIDSVHPL SRGLDLFPPS AIKCCVSGVI PTAGEWSEGC VAAVKALLFE QFCSVKVMDI LEEVLTCAV DLVLQSSGKQ LDHVLVEMGY GVKPGEQSST EQSVDHSALE DVGRVTVESK IVTDRNALIP KVLTLNVGDE FCGVVAHIQT PEDFFCQQLQ SGHKLAELQE SLSEYCGHVI PRSDFYPTIG DVCCAQFSED DQWYRASVLA YASEESVLVG YVDYGNFEIL SLKRLCPIIP KLLDLPMQAL NCVLAGVKPS LGIWTPEAVC VMKEMVQNRM VTVRVVGMGLG TRALVELIDK SVAPHVSASK

Product Details

ALIDSGFAIK EKDVADKSS MHTASVPLAI EGPAEAELEWT WVEFTVDETV DVVVCMMYSP
GEFYCHFLKD DALEKLDDLN QSLADYCAQK PPNGFKAEIG RPCCAFFSGD GNWYRALVKE
ILPSGNVKVH FVDYGNVEEV TTDQLQAILP QFLLLPFQGM QCWLVDIQPP NKHWTKEATA
RFQACVVGLK LQARVVEITA NGVGVELTDL STPYPKIISD VLIREQLVLR CGSPQDSLMS
RPAHQHKQID SHRVQASPSA EQWKTMEPV NKTIAANVLE IISPALFYAI PSEMSENQEK
LCVLAAELLE HCNAQKGQPA YRPRTGDACC AKYTNDDFWY RAIVLETSES DVKVLVADYG
NIETLPLSRV QPIPASHLEL PFQIIRCSLE GPMELNGSCS QLMELLRNA MLNQSVVLSV
KAISKNVHAV SVEKCSNGM INIAENLVMC GLAENLTSKR KSASTKEIPH SRDCCCTELQ
KQIEKHEQIL LFLNNPTNQ SKFTEMKKLL RS **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 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, Western Blot

Grade:

custom-made

Target Details

Target:

TDRD1

Alternative Name:

Tdrd1 ([TDRD1 Products](#))

Background:

Tudor domain-containing protein 1,FUNCTION: Plays a central role during spermatogenesis by

Target Details

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. {ECO:0000269|PubMed:17038506, ECO:0000269|PubMed:19465913, ECO:0000269|PubMed:19584108}.

Molecular Weight: 129.7 kDa

UniProt: [Q99MV1](#)

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