

Datasheet for ABIN7555727

TDRD3 Protein (AA 1-651) (His tag)



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Overview

Quantity:	1 mg
Target:	TDRD3
Protein Characteristics:	AA 1-651
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TDRD3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TDRD3 Protein expressed in mammalian cells.
Sequence:	<p>MLRLQMTDGH ISCTAVEFSY MSKISLNTTP GTKVKLSGIV DIKNGFLLLN DSNTTVLGGE</p> <p>VEHLIEKWEL QRSLSKHNRS NIGTEGGPPP FVPFGQKCVS HVQVDSRELD RRKTLQVTMP</p> <p>VKPTNDNDEF EKQRTAAIAE VAKSKETKTF GGGGGGARSN LNMNAAGNRN REVLQKEKST</p> <p>KSEKGHEGVY RELVDEKALK HITEMGFSKE ASRQALMDNG NNLEAALNVL LTSNKQKPVM</p> <p>GPPLRGRGKG RGRIRSEDEE DLGNARPSAP STLFDFLESK MGTNLNVEEPK SQPQQLHQGQ</p> <p>YRSSNTEQNG VKDNNHLRHP PRNDTRQPRN EKPPRFQRDS QNSKSVLEGS GLPRNRGSR</p> <p>PSTSSVSEVW AEDRIKCDRP YSRYDRTKDT SYPLGSQHSD GAFKKRDNSM QSRSGKGPSF</p> <p>AEAKENPLPQ GSVDYNNQKR GKRESQTSIP DYFYDRKSQT INNEAFSGIK IEKHFNVNTD</p> <p>YQNPVRSNSF IGVPNGEVEM PLKGRRIGPI KPAGPVTAVP CDDKIFYNSG PKRRSGPIKP</p> <p>EKILESSIPM EYAKMWKPGD ECFALYWEDN KFYRAEVEAL HSSGMTAVVK FIDYGNVEEV</p> <p>LLSNIKPIQT EAWEEEGTYD QTLEFRRGGD GQPRRSTRPT QQFYQPPRAR N Sequence without</p>

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TDRD3
Alternative Name:	TDRD3 (TDRD3 Products)
Background:	<p>Tudor domain-containing protein 3,FUNCTION: Scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins (PubMed:15955813). Plays a role in the regulation of translation of target mRNAs by binding Arg/Gly-rich motifs (GAR) in dimethylarginine-containing proteins. In nucleus, acts as a coactivator: recognizes and binds asymmetric dimethylation on the core histone tails associated with transcriptional activation (H3R17me2a and H4R3me2a) and recruits proteins at these arginine-methylated loci (PubMed:21172665). In cytoplasm, acts as an antiviral factor that participates in the assembly of stress granules together with G3BP1 (PubMed:35085371).</p> <p>{ECO:0000269 PubMed:15955813, ECO:0000269 PubMed:18632687, ECO:0000269 PubMed:21172665, ECO:0000269 PubMed:35085371}.</p>

Target Details

Molecular Weight: 73.2 kDa

UniProt: [Q9H7E2](#)

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