

Datasheet for ABIN7560401  
**TXNRD3 Protein (AA 1-652) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TXNRD3
Protein Characteristics:	AA 1-652
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TXNRD3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Txnrd3 Protein expressed in mammalian cells.
Sequence:	<p>MEKPPSPPPP PRAQTSPGLG KVGVLNRRRL GAVRGGLMSS PPGRRLARLAS PGTSRPSSEA</p> <p>REELRRRLRD LIEGNRVMIF SKSYCPHSTR VKELFSSLGV VYNILELDQV DDGASVQEV</p> <p>TEISNQKTVP NIFVNKVHVG GCDRTFQAHQ NGLLQKLLQD DSAHDYDLII IGGSGGLSC</p> <p>AKEAANLGKK VMVLDFVVPV PQGTTWGLGG TCVNVGCIPK KLMHQAALLG HALQDAKKYG</p> <p>WEYNQQVKHN WEAMTEAIQS HIGSLNWGYR VTLREKGVTY VNSFGEFVDL HKIKATNKKG</p> <p>QETFYTASKF VIATGERPRY LGIQGDKEYC ITSDDLFLSLP YCPGCTLVVG ASYVGLECAG</p> <p>FLAGLGLDVT VMVRSVLLRG FDQEMAELVGV SYLEQQGVKF QRKFTPIVQ QLEKGLPGKL</p> <p>KVVAKSTEGP ETVEGIYNTV LLAIGRDSCT RKIGLEKIGV KINEKNGKIP VNDVEQTNVP</p> <p>HVYAIGDILD GKPELTPVAI QAGKLLARRL FGVSLEKCDY INIPTTVFTP LEYGCCGLSE</p> <p>EKAIEYKKE NLEVYHTLFW PLEWTVAGRD NNTCYAKIIC NKFDNERVVG FHLLGPNAGE</p> <p>ITQGFAAAMK CGLTKQLLDD TIGIHPTCGE VFTTLEITKS SGLDITQKGC UG <b>Sequence without</b></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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TXNRD3
Alternative Name:	Txnrd3 ( <a href="#">TXNRD3 Products</a> )
Background:	<p>Thioredoxin reductase 3 (EC 1.8.1.9) (Thioredoxin and glutathione reductase) (Thioredoxin reductase TR2),FUNCTION: Displays thioredoxin reductase, glutaredoxin and glutathione reductase activities. Catalyzes disulfide bond isomerization. Promotes disulfide bond formation between GPX4 and various sperm proteins and may play a role in sperm maturation by promoting formation of sperm structural components. {ECO:0000269 PubMed:11259642, ECO:0000269 PubMed:15901730}.</p>
Molecular Weight:	71.3 kDa
UniProt:	<a href="#">Q99MD6</a>
Pathways:	<a href="#">Cell RedoxHomeostasis</a>

## 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