

Datasheet for ABIN7564641  
**TXNDC11 Protein (AA 1-948) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TXNDC11
Protein Characteristics:	AA 1-948
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TXNDC11 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Txndc11 Protein expressed in mammalian cells.
Sequence:	MSECGGRGGG GGNNSEDAED EGGGPKGSGS LSPAGAAASL EGRIRRGLRG ASLMARQRPE LLCGAVALGC ALLFALKFTC SRAKDVIIPA KPPVSFFSSR SPVLDLFQGG LDYADHVRQD SEVVVLFYFA PWCGQSIAAR AEIEQAASRL SDQVLFVAIN CWWNQGKCRK QKHFFYFPVI HLYHRSGPI EYKGPMSAVY IEKFVRRAMK PLYIPSQSA LLDLSSYEP GVLGYFEFSG SPQPPGYLTF FTSALHSLKK DYLGTVRFGV ITDKHLARLV SLVHSGSVYL HRHFNTSLVF PREVMNFTAE NIYKWASENQ ETLFRWLQPH GGKSLLLNNE LKKGPAFLF IPFDPLAERH PLLDEITEVA LEYNNCHGDQ VVERLLQHLR RVEAPVLQSL APELPASLPD TQLMAASPC NTVVLPQGPA LSRTHNVCEL CVNQTVGGTR PSSVSVQCS FFEMAAALDS FYLKEQTFYH VVSGSIECSN FLTSYSPFSY YTACRTISR GMASFTGSEQ NVLTAPAIEF SSLEKSCEAT APSSIPHIEE NRYRFPQVGL TSTAFTGLSC RTNKTNIYL LDSNLFWLYA ERLGAPSSAP VKEFATVDV KEESHYILDV KQALMKFTLE SFIQNFVLY SPLKRHLTGS DSAQFPTQHL ITEVTTDTFW EVTLRKQDVL LLYYTQWCGF CPSLNHIFIQ LARLLPEDTF TVARIDVSQN

## Product Details

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DLPWEFMVDR LPTVLFFPCN RKDLSVKYPG DLPITLPNLL RFILHHSDAASAPQDPGISP  
PTQDCVQSKA VLQREHISHV ENAMQKLRSE MSSLRRTQEQ VEGRLLSARR DGHRLLRQR  
TLEQQHRLLR RHSQKLQALY LKKARELQEL ARASGTPLPE HTWLKILVAT MERELEGQGG  
AKEPAPLGKA RPNHSMGT TQLPGDTPPP STTSSTLASE TKHENRTD **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: TXNDC11

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Alternative Name: Txndc11 ([TXNDC11 Products](#))

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Background: Thioredoxin domain-containing protein 11,FUNCTION: May act as a redox regulator involved in DUOX proteins folding. The interaction with DUOX1 and DUOX2 suggest that it belongs to a multiprotein complex constituting the thyroid H<sub>2</sub>O<sub>2</sub> generating system. It is however not sufficient to assist DUOX1 and DUOX2 in H<sub>2</sub>O<sub>2</sub> generation (By similarity). {ECO:0000250}.

## Target Details

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Molecular Weight: 106.0 kDa

UniProt: [Q8K2W3](#)

Pathways: [Cell RedoxHomeostasis](#)

## 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