

Datasheet for ABIN7544582  
**TPRX1 Protein (AA 1-411) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | TPRX1  |
| Protein Characteristics:      | AA 1-411                                     |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This TPRX1 protein is labelled with His tag. |

## Product Details

|              |  |
|--------------|--|
| Purpose:     | Custom-made recombinant TPRX1 Protein expressed in mammalian cells.  |
| Sequence:    | <p>MLSLREQQLQ VWFKNRRAKL ARERRLQQQP QRVPGQRGRG ARAAPLVPAASASAPQRGPS<br/>GILPAAEPTI CSLHQAWGGP GCRAQKGIPA ALSPGPGPIP APIPGPAQIP GPLPGSIPGP<br/>IPGPAQIPSP IPAPIGPIS GPVQIPGPFGR GPIPGPISGP APIPGPISGP FSGPNPGPIP GPNPGPIP<br/>ISGPIPGPIS VPIPGPIPISGPISGPNP GPIPGPIPISGPNPGPIP GPISGPNPGL IPGPIPGPIS<br/>GPGPIIGPIP SPAQIPGPGR LQGGPILSP GRMRSPGSLP GLAPILGPGS GPGSGSVPAP<br/>IPGPGSLPAP APLWPQSPDA SDFLPDTQLF PHFTELLPL DPLEGSSVST MTSQYQEGDD<br/>SMGKKHSGSQ PQEEGGSVNE NHSGPRLLLD L <b>Sequence without tag. The proposed<br/>Purification-Tag is based on experiences with the expression system, a different complexity<br/>of the protein could make another tag necessary. In case you have a special request, please<br/>contact us.</b></p> |
| 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.  |

## Product Details

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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:

TPRX1

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### Alternative Name:

TPRX1 ([TPRX1 Products](#))

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### Background:

Tetra-peptide repeat homeobox protein 1,FUNCTION: Transcription factor expressed after fertilization required for zygotic genome activation (ZGA), a critical event in early embryonic development during which the developmental control passes from maternally provided mRNAs to the expression of the zygotic genome after fertilization (PubMed:35314832, PubMed:36074823). Binds and activates expression of key ZGA marker genes, such as NANOGNB, ZSCAN4, DUXB, KLF5 and DPPA3 (PubMed:36074823). Binds to regulatory DNA sequences containing a 5'-TAATCC-3' sequence motif (PubMed:36074823).  
{ECO:0000269|PubMed:35314832, ECO:0000269|PubMed:36074823}.

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### Molecular Weight:

40.6 kDa

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### UniProt:

[Q8N7U7](#)

## 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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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