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Datasheet for ABIN7544330  
**TBX4 Protein (AA 1-545) (His tag)**

## Overview

Quantity:	1 mg
Target:	TBX4
Protein Characteristics:	AA 1-545
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBX4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TBX4 Protein expressed in mammalian cells.
Sequence:	<p>MLQDKGLSES EEAFRAPGPA LGEASAANAP EPALAAPGLS GAALGSPPGP GADVVAASAAA EQTIENIKVG LHEKELWKKF HEAGTEMIIT KAGRRMFPSY KVKVTGMNPK TKYILLIDIV PADDHRYKFC DNKWMVAGKA EPAMPGRLYV HPDSPATGAH WMRQLVSFQK LKLTNNHLDP FGHIILNSMH KYQPR LHIVK ADENNAFGSK NTAFACTHVFP ETSFISVTSY QNHKITQLKI ENNPFAKGFR GSDDSDLRVA RLQSKEYPVI SKSIMRQR LI SPQLSATPDV GPLLGTHQAL QHYQHENG AH SQAEPQDLP LSTFPTQRDS SLFYHCLKRR DGTRHLDLPC KRSYLEAPSS VGEDHYFRSP PPYDQQLSP SYCSEVTPRE ACMYSGSGPE IAGVSGVDDL PPPPLSCNMW TSVSPYTSYS VQTMETVPYQ PFPHTFTATT MMPRLPTLSA QSSQPPGNAH FSVYNQLSQS QVRERGPSAS FPRERGLPQG CERKPPSPHL NAANEFLYSQ TFSLSRESSL QYHSGMGTV E NWTDG <b>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.</b></p>

## Product Details

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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

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## Target Details

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**Target:** TBX4

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**Alternative Name:** TBX4 ([TBX4 Products](#))

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**Background:** T-box transcription factor TBX4 (T-box protein 4),FUNCTION: Transcriptional regulator that has an essential role in the organogenesis of lungs, pelvis, and hindlimbs.  
{ECO:0000269|PubMed:31761294}.

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**Molecular Weight:** 60.2 kDa

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**UniProt:** [P57082](#)

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## 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
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