

Datasheet for ABIN7544198

**T-Box 5 Protein (TBX5) (AA 1-518) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	T-Box 5 (TBX5)
Protein Characteristics:	AA 1-518
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This T-Box 5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TBX5 Protein expressed in mammalian cells.
Sequence:	MADADEGFGL AHTPLEPDAK DLPCDSKPES ALGAPSKSPS SPQAAFTQQG MEGIKVFLHE RELWLKFHEV GTEMIITKAG RRMFPSYKVK VTGLNPKTKY ILLMDIVPAD DHRYKFADNK WSVTGKAEP A MPGRLYVHPD SPATGAHWMR QLVSFQKLKL TNNHLDPFGH IILNSMHKYQ PRLHIVKADE NNGFGSKNTA FCTHVPETA FIAVTSYQNH KITQLKIENN PFAKGFRGSD DMELHRMSRM QSKEYPVVPR STVRQKVASN HSPFSSSRA LSTSSNLGSQ YQCENGVSGP SQDLLPPNP YLPQEHSQI YHCTKRKEEE CSTTDHPYKK PYMETSPSEE DSFYRSSYPQ QQGLGASYRT ESAQRQACMY ASSAPPSEPV PSLEDISCNT WSPMPSSYSSC TVTTVQPMDR LPYQHFAHF TSGPLVPLRA GMANHGSPQL GEGMFQHQTS VAHQPVVRQC GPQTGLQSPG TLQPPEFLYS HGVPRTLSPH QYHSHVHGVM VPEWSDNS <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>

## 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:** T-Box 5 (TBX5)

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**Alternative Name:** TBX5 ([TBX5 Products](#))

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**Background:** T-box transcription factor TBX5 (T-box protein 5),FUNCTION: DNA-binding protein that regulates the transcription of several genes and is involved in heart development and limb pattern formation (PubMed:25725155, PubMed:25963046, PubMed:29174768, PubMed:26917986, PubMed:27035640, PubMed:8988164). Binds to the core DNA motif of NPPA promoter (PubMed:26926761). {ECO:0000269|PubMed:25725155, ECO:0000269|PubMed:25963046, ECO:0000269|PubMed:26917986, ECO:0000269|PubMed:26926761, ECO:0000269|PubMed:27035640, ECO:0000269|PubMed:29174768, ECO:0000269|PubMed:8988164}.

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**Molecular Weight:** 57.7 kDa

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**UniProt:** [Q99593](#)

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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

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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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