

Datasheet for ABIN7558893  
**TOX4 Protein (AA 1-619) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TOX4
Protein Characteristics:	AA 1-619
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TOX4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tox4 Protein expressed in mammalian cells.
Sequence:	MEFPGGNDNY LTITGPSHPF LSGAETFHTP SLGDEEFEIP PISLSDPSL AVSDVVGHFD DLADPSSSQD GSFSAQYGVQ TLDMPVGMTH GLMEQGGGLL SGGLTMDLDH SIGTQYSANP PVTIDVPM TD MTSGLMGHSQ LTTIDQSELS SQLGLSLGGG TILPPAQSP E DRLSTTPSPT NSLHEDGVDD FRRQLPAQKT VVETGKKQK APKKRKKKDP NEPQKPVSA Y ALFFRDTQAA IKGQNP NATF GEVSKIVASM WDSL GEEQKQ VYKRKTEAAK KEYLKALAA Y KDNQECQATV ETVELDPVPQ SQTSPSPV T AADPASPAPA STESPALPPC IIVNSTLSS Y VANQASSGPG GQPNITKLII TKQMLPSSIT MSQGGMVTVI PATVVTSRGL QVGQTSTATI QPSQQAQIVT RSVLQAAAAA AASMQLPPPR LQPPPLQQMP QPPTQQQVTI LQPPPLQAM QQPPPQKVRI NLQQQPPPLQ SKIVPPPTLK IQTTVPPTV ESSPEQPMNS SPEAHTVEAT SPETICEMIA DVVPEVESPS QMDVELVSGS PVALSPQPRC VRSGCENPPV VSKDWDNEYC SNECVVKHCR DVFLAWVASR NPNSVVFVK <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b>

## Product Details

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**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

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## Target Details

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**Target:** TOX4

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**Alternative Name:** Tox4 ([TOX4 Products](#))

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**Background:** TOX high mobility group box family member 4 (Epidermal Langerhans cell protein LCP1),FUNCTION: Transcription factor that modulates cell fate reprogramming from the somatic state to the pluripotent and neuronal fate (PubMed:31519808). Component of the PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase (By similarity). In liver, controls the expression of hormone-regulated gluconeogenic genes such as G6PC1 and PCK1. This regulation is independent of the insulin receptor activation (PubMed:34914893). {ECO:0000250|UniProtKB:O94842, ECO:0000269|PubMed:31519808, ECO:0000269|PubMed:34914893}.

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## Target Details

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Molecular Weight: 66.0 kDa

UniProt: [Q8BU11](#)

## 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