

Datasheet for ABIN7560985  
**TKTL2 Protein (AA 1-627) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TKTL2
Protein Characteristics:	AA 1-627
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TKTL2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tktl2 Protein expressed in mammalian cells.
Sequence:	<p>MALARDAKLE SDTLQVLQDV ANRLRIHSIR ATCACSSGHP TSCCSVAEIM AVLFFHTMRY</p> <p>KQADPEHPDN DRFVLSKGHA APILYAVWVE VGRICESDLL NLRKIHCDLE GHPTPRLSFV</p> <p>DVATGSLGQG LGAACGMAYT GKYFDKASYR VFCLMGDGES SEGSVWEALA FASHYNLDNL</p> <p>VAIFDVNRLG QSGTAPLEHC TAVYEKRCQA FGWNTYVVDG HDVEALCQAF WKAAQVKNKP</p> <p>TALIAKTFKG RGIPNVEDAE NWHGKPM PKD RADGIVKLIE NRIQTNRNLT PKPIEDSPR</p> <p>ISMSNTKMTS LPVYKLGDMI ATREAYGLAL AKLGQSNQRV IVLDGDTKNS TFSEVFKKEH</p> <p>PERFIECFIA EQNMVSVALG CATRGRTIAF VSTFAAFLTR AFDQIRMGAI SQTNINFGVS</p> <p>HCGVSVGEDG PSQMALEDLA MFRSIPNCTV FYPSDAVSTE HAVYLAANTK GMCFIRTRTP</p> <p>KTAVIYTAAE NFIGVQAKVI RQSAVDKVTV IGAGVTLHEA LVAAEELSQQ GIFIRVIDLF TIKPLDAVTI</p> <p>IQSAKATGGQ IITVEDHYRE GGIGEAVCAA ISREPDIVVR QLAVTEVPRS GKPSSELLDMF</p> <p>GISARHIIAA VKDVTVMK <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></p>

**another tag necessary. In case you have a special request, please contact us.**

**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.

**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.

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

**Grade:** custom-made

## Target Details

**Target:** TKTL2

**Alternative Name:** Tktl2 ([TKTL2 Products](#))

**Background:** Transketolase-like protein 2 (EC 2.2.1.1),FUNCTION: Plays an essential role in total transketolase activity and cell proliferation in cancer cells, after transfection with anti-TKTL1 siRNA, total transketolase activity dramatically decreases and proliferation was significantly inhibited in cancer cells. Plays a pivotal role in carcinogenesis (By similarity). {ECO:0000250}.

**Molecular Weight:** 68.4 kDa

**UniProt:** [Q9D4D4](#)

## 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