

Datasheet for ABIN7562470  
**TLK2 Protein (AA 1-718) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TLK2
Protein Characteristics:	AA 1-718
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLK2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tlk2 Protein expressed in mammalian cells.
Sequence:	MMEELHSLDP RRQELLEARF TGVGVSKGPL NSESSNQLC SVGSLSDKEV ETPEKKQNDQ RNRKRKAEPY DTSQKGTPR GHKISDYFER RAEQPLYGLD GSAAKEASEE QSALPTLMSV MLAKPRLDTE QLAPRGAGLC FTFVSAQQNS PSSTGSGNTE HSCSSQKQIS IQHRQTQSDL TIEKISALEN SKNSDLEKKE GRIDLLLRAN CDLRRQIDEQ QKMLEKYKER LNRCVTMSKK LLIEKSKQEK MACRDKSMQD RLRLGHFTTV RHGASFTEQW TDGYAFQNLI KQQRINSQR EEIERQRKML AKRKPAMGQ APPATNEQKQ RSKTNGAEN ETLTAEYHE QEEIFKLRLG HLKKEEAEIQ AELERLVR NLHIRELKRI HNEDNSQFKD HPTLNDRYLL LHLLGRGGFS EYKAFDLTE QRYVAVKIHQ LNKNRDEKK ENYHKHACRE YRIHKELDHP RIVKLYDYFS LDTDSFCTVL EYCEGNLDF YLKQHKLMSE KEARSIIMQI VNALKYLNEI KPPIIHYDLK PGNILLVNGT ACGEIKITDF GLSKIMDDDS YNSVDGMELT SQGAGTYWYL PPECFVVGKE PPKISNKVDV WSVGVIYQC LYGRKPFQHN QSQQDILQEN TILKATEVQF PPKPVVTPPEA KAFIRRCLAY RKEDRIDVQQ LACDPYLLPH IRKSVSTSSP AGAAIASTSG ASNSSSN <b>Sequence</b>

## Product Details

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**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.**

**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

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**Target:** TLK2

**Alternative Name:** Tlk2 ([TLK2 Products](#))

**Background:** Serine/threonine-protein kinase tousled-like 2 (EC 2.7.11.1) (PKU-alpha) (Tousled-like kinase 2),FUNCTION: Serine/threonine-protein kinase involved in the process of chromatin assembly and probably also DNA replication, transcription, repair, and chromosome segregation (By similarity). Phosphorylates the chromatin assembly factors ASF1A and ASF1B (By similarity). Phosphorylation of ASF1A prevents its proteasome-mediated degradation, thereby enhancing chromatin assembly (By similarity). Negative regulator of amino acid starvation-induced autophagy (By similarity). {ECO:0000250|UniProtKB:Q86UE8},. FUNCTION: Testis-specific isoforms may play a role in spermatogenesis. Highly expressed in embryos throughout

## Target Details

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development. {ECO:0000269|PubMed:10092119}.

Molecular Weight: 82.3 kDa

UniProt: [O55047](#)

## 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