

Datasheet for ABIN7544410  
**TLE6 Protein (AA 1-572) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TLE6
Protein Characteristics:	AA 1-572
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLE6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant TLE6 Protein expressed in mammalian cells.
Sequence:	<p>MTSRDQPRPK GPPKSTSPCP GISNNESSPT LNYQGILNRL KQFPRFSPHF AAELESIYYS  LHKIQQDVAE HHKQIGNVLQ IVESCSQLQG FQSEEVSPA E PASPGTPQQV KDKTLQESSF  EDIMATRSSD WLRRPLGEDN QPETQLFWDK EPWFWDHDTLT EQLWRIFAGV HDEKAKPRDR  QQAPGLGQES KAPGSCDPGT DPCPEDASTP RPPEASSSPP EGSQDRNTSW GVVQEPPGRA  SRFLQSIWD PEDFEDAWKR PDALPGQSKR LAVPCKLEKM RILAHGELVL ATAISSFTRH  VFTCGRRGIK VWSLTGQVAE DRFPESHLP I QTPGAFLRTC LLSSNSRSL TGGYNLASVS  VWDLAAPSLH VKEQLPCAGL NCQALDANLD ANLAFASFTS GVVRIWDLRD QSVVRDLKGY  PDGVKSIVVK GYNIWTGGPD ACLRCWDQRT IMKPLEYQFK SQIMSLSHSP QEDWVLLGMA  NGQQWLQSTS GSQRHMGVQK DSVILSVKFS PFGQWWASVG MDDFLGVYSM PAGTKVFEVP  EMSPVTCCDV SSNNRLVVTG SGEHASVYQI TY <b>Sequence without tag. The proposed</b>  <b>Purification-Tag is based on experiences with the expression system, a different complexity</b>  <b>of the protein could make another tag necessary. In case you have a special request, please</b></p>

**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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TLE6
Alternative Name:	TLE6 (TLE6 Products)
Background:	<p>Transducin-like enhancer protein 6,FUNCTION: Regulates spermatogonia proliferation and cell cycle progression, potentially via regulation of cell cycle regulatory genes such as, CEBPB, CEBPA, CSF3, PCNA, and CDK4 (By similarity). Suppresses FOXG1/BF-1-mediated transcriptional repression by inhibiting interaction of the transcriptional corepressor TLE1 with FOXG1 which promotes cortical neuron differentiation (By similarity). Acts as a transcriptional corepressor of NFATC1-mediated gene expression by contributing to PAX6-mediated repression (By similarity). {ECO:0000250 UniProtKB:Q9WVB3}, FUNCTION: [Isoform 1]: As a member of the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions via regulation of actin dynamics (PubMed:26537248). Required for the formation of F-actin cytoplasmic lattices in oocytes</p>

## Target Details

which in turn are responsible for symmetric division of zygotes via the regulation of mitotic spindle formation and positioning (By similarity). {ECO:0000250|UniProtKB:Q9WVB3, ECO:0000269|PubMed:26537248}.

Molecular Weight: 63.5 kDa

UniProt: [Q9H808](#)

Pathways: [WNT Signaling](#)

## Application Details

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

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