

Datasheet for ABIN7556314 TLE6 Protein (AA 1-581) (His tag)



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Overview

Quantity:	1 mg
Target:	TLE6
Protein Characteristics:	AA 1-581
Origin:	Mouse
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>MTSHRQSSDT FGGILPSTLS SRYLSIVNQL PEEFSSVVSE MMVHLENIFS LAENFFQAIE RFSRTPDLLL RNKMSIGVGA EGDSWPCHVS HEAPMGSAQT TENSAREEDK QVPESAALQH PKFKSTPGPQ LPTRRRFLSE SDELQDPQPV WDAEPQFCQG FLIQGLWELF MDSRQKNQQE HGGEDSSQES KDSGLCDFKP EPQPRHRNSL SDSADPFLIK SPSALLDYYQ EDVSRPQPET QESSGRADKF LKPLSWGSEV LESSCNQPST ALWQLERFTV PQALQKVRVL KHQELLLVVA VSSFTRHVFT CSQSGIKVWN LVNQVAEDRD PESHKCSVQ DNKVVYLR TCL LSSNSRTLFA GGYNLPGVIV WDLAAPSLYE KCQLPCEGLS CQALANTKEN MALAGFTDGT VRIWDLRTQE IVRNLKGPTN SARNLVVKDD NIWTGGLDAC LRCWDLRMAK VSLEHLFQSQ IMSLAHSPTE DWLLLGLANG QHCLFNSRKR DQVLTVDTKD NTILGLKFSP NGKWWASVGM GNFTVHSMP TGAKLFQVPE VGPVRCFDMT ENGRLIITGS RDCASVYHIK Y 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</p>

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: TLE6

Alternative Name: Tle6 ([TLE6 Products](#))

Background: Transducin-like enhancer protein 6 (Groucho-related protein 6),FUNCTION: 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:18804437, PubMed:25208553). Required for the formation of F-actin cytoplasmic lattices in oocytes which in turn are responsible for symmetric division of zygotes via the regulation of mitotic spindle formation and positioning (PubMed:31575650). Regulates spermatogonia proliferation and cell cycle progression, potentially via regulation of cell cycle regulatory genes such as, CEBPB, CEBPA, CSF3, PCNA, and CDK4 (PubMed:32823735). Suppresses FOXG1/BF-1-mediated transcriptional repression by inhibiting interaction of the transcriptional corepressor TLE1 with FOXG1 which promotes cortical neuron differentiation (PubMed:16314515). Acts as a

Target Details

transcriptional corepressor of NFATC1-mediated gene expression by contributing to PAX6-mediated repression (PubMed:23990468). {ECO:0000269|PubMed:16314515, ECO:0000269|PubMed:18804437, ECO:0000269|PubMed:23990468, ECO:0000269|PubMed:25208553, ECO:0000269|PubMed:31575650, ECO:0000269|PubMed:32823735}.

Molecular Weight: 65.1 kDa

UniProt: [Q9WVB3](#)

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