

Datasheet for ABIN7564576
TSHZ3 Protein (AA 1-1081) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TSHZ3
Protein Characteristics:	AA 1-1081
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSHZ3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tshz3 Protein expressed in mammalian cells.
Sequence:	<p>MPRRKQQAPR RAAAYVSDLE KAAALVEDDV EPEEQAADGE PSAKYMCEPEK ELSKACPSYQ NSPAAEFSSH EMDSESHISE TSDRMADFES SSIKNEEETK EVQVPLEDTT VSDSLEQMKA VYNNFLSNSY WSNLNLNLHQ PSSENGGSS SSSSSSSSSC GSGSFDWHQS AMAKTLQQVS QNRMLPEPSL FSTVQLYRQS SKLYGSIFTG ASKFRCKDCS AAYDTLVELT VHMNETGHYR DDNHETDNNN PKRWSKPRKR SLLEMEGKED AQKVLKCMYC GHSFESLQDL SVHMIKTKHY QKVPLKEPVT PVAAKIIPAA RKKPSLELEL PSSPDSTGGT PKATLSDASD ALQKNSNPYI TPNNRYGHQN GASYAWHFEA RKSQILKCMC CGSSHDTLQE LTAHMMVTGH FIKVTNSAMK KGKPIMETPV TPTITTLLE KQQSVPLAAT TFTSPNTPA SVSPKLAVEI KKEVDKEKAV PDEKPKEREK PSEEEKYDI SSKYHYLTEN DLEESPKGGL DILKSLENTV TSAINKAQNG TPSWGYPYPSI HAAYQLPNMM KLSLGSSGKS TPLKPMFGNS EIVSPTKTQT LVSPSSQTS PMPKTNFHAM EELVKKVTEK VAKVEEKMKE PEGKLSPPKR ATPSPCSSEQ SEPIKMEASS DGSFQSQENS PPSPPRACK ASPSAEPVEN GKELVKPLSG GLSGSTAIIT DHPPEQPFVN</p>

Product Details

PLSALQSVMN IHLGKAAKPS LPALDPMSML FKMSNSLAEK AAVATPPPPLQ AKKAEHLDRY
FYHVNNNDQPI DLTKGKSDKG CSLGSGLLSP TSTSPATSSS TVTTAKTSAV VSFMSNSPLR
ENALSDISDM LKNLTESHTS KSSTPSSISE KSDIDGATLE EAEESTPAQK RKGRQSNWNP
QHLLILQAQF AASLRQTSEG KYIMSDLSPQ ERMHISRFTG LSMTTISHWL ANVKYQLRRT
GGTKFLKNLD TGHPVFFCND CASQIRTPST YISHLESHLG FRLRDLKLS TEQINNQIAQ
TKSPSEKLVV SSPEEDLGTT YQCKLCNRTF ASKHAVKLHL SKTHGKSPED HLLFVSELEK Q

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 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: TSHZ3

Alternative Name: Tshz3 ([TSHZ3 Products](#))

Background: Teashirt homolog 3 (Zinc finger protein 537),FUNCTION: Transcriptional regulator involved in developmental processes. Functions in association with APBB1, SET and HDAC factors as a

Target Details

transcriptional repressor, that inhibits the expression of CASP4. TSHZ3-mediated transcription repression involves the recruitment of histone deacetylases HDAC1 and HDAC2. Associates with chromatin in a region surrounding the CASP4 transcriptional start site(s). Regulates the development of neurons involved in both respiratory rhythm and airflow control. Promotes maintenance of nucleus ambiguus (nA) motoneurons, which govern upper airway function, and establishes a respiratory rhythm generator (RRG) activity compatible with survival at birth. Involved in the differentiation of the proximal uretic smooth muscle cells during developmental processes. Involved in the up-regulation of myocardin, that directs the expression of smooth muscle cells in the proximal ureter. Involved in the modulation of glutamatergic synaptic transmission and long-term synaptic potentiation (PubMed:27668656).
{ECO:0000269|PubMed:18776146, ECO:0000269|PubMed:19745106, ECO:0000269|PubMed:20631175, ECO:0000269|PubMed:27668656}.

Molecular Weight: 118.6 kDa

UniProt: [Q8CGV9](#)

Pathways: [Regulation of Muscle Cell Differentiation](#)

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