

Datasheet for ABIN7544386
TBR1 Protein (AA 1-682) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TBR1
Protein Characteristics:	AA 1-682
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBR1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TBR1 Protein expressed in mammalian cells.
Sequence:	<p>MQLEHCLSPS IMLSKKFLNV SSSYPHSGGS ELVLHDHP II STTDNLERSS PLKKITRGMT NQSDTDNFPD SKDSPGDVQR SKLSPVLDGV SELRHSFDGS AADRYLLSQS SQPQSAATAP SAMFPYPGQH GPAHPAFSIG SPSRYMAHHP VITNGAYNSL LSNSSPQGY P TAGYPYPQQY GHSYQGAPFY QFSSTQPGLV PGKAQVYLCN RPLWLKFHRH QTEMIITKQG RRMFPFLSFN ISGLDPTAHY NIFVDVILAD PNHWRFQGGK WVPCGKADTN VQGNRVYMHP DSPNTGAHWM RQEISFGK LK LTNNKGASNN NGQMVVLQSL HKYQPR LHVV EVNEDGTE DT SQPGRVQTFT FPETQFIAVT AYQNTDITQL KIDHNPFAGK FRDNYDTIYT GCDMDRLTPS PNDSPRSQIV PGARYAMAGS FLQDQFVSNY AKARFHPGAG AGPGPGTDRS VPHTNGLLSP QQAEDPGAPS PQRWFVTPAN NRLDFAASAY DTATDFAGNA ATLLSYAAAG VKALPLQAAG CTGRPLGYA DPSGWGARSP PQYCGTKSGS VLPCWPNSAA AAARMAGANP YLGEEAEGLA AERSPLPPGA AEDAKPKDLS DSSWIETPSS IKSIDSSDSG IYEQAKRRRI SPADTPVSES SSPLKSEVLA QRDCEKNCAK DISGYGFYS HS Sequence without tag. The proposed Purification-Tag is</p>

Product Details

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: TBR1

Alternative Name: TBR1 ([TBR1 Products](#))

Background: T-box brain protein 1 (T-brain-1) (TBR-1) (TES-56),FUNCTION: Transcriptional repressor involved in multiple aspects of cortical development, including neuronal migration, laminar and areal identity, and axonal projection (PubMed:25232744, PubMed:30250039). As transcriptional repressor of FEZF2, it blocks the formation of the corticospinal (CS) tract from layer 6 projection neurons, thereby restricting the origin of CS axons specifically to layer 5 neurons (By similarity). {ECO:0000250|UniProtKB:Q64336, ECO:0000269|PubMed:25232744, ECO:0000269|PubMed:30250039}.

Molecular Weight: 74.1 kDa

Target Details

UniProt: [Q16650](#)

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