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Datasheet for ABIN7563307
TEAD2 Protein (AA 1-445) (His tag)

Overview

Quantity:	1 mg
Target:	TEAD2
Protein Characteristics:	AA 1-445
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TEAD2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Tead2 Protein expressed in mammalien cells.
Sequence:	<p>MGDPRTGAPL DDGGGWTGSE EGSEEGTGGG EGVGGDGGSPD AEGVWSPDIE QSFQEALAIY PPCGRRKIIL SDEGKMYGRN ELIARYIKLR TGKTRTRKQV SSHIQVLARR KSREIQSKLK DQVSKDKAFQ TMATMSSAQL ISAPSLQAKL GPSGPQATEL FQFWSGSSGP PWNVPDVKPF SQAPFSVSLT PPASDLPGYE PPPALSPLPP PAPSPPAWQA RALGTARLQL IEFSAFVEPP DAVDSFQRHL FVHISQQCPS PGAPPLESVD VRQIYDKFPE KKGGLRELYD RGPPHAFFLV KFWADLNWGP SAE EAGSSGG GGGFYGVSSQ YESRELM TLT CSSKVC SFGK QVVEKVETER AQLEDGRFVY RLLRSPMCEY LVNFLHKL RQ LPERYMMNSV LENFTILQVV TNRDTQELL CTAYVFEVST SERGAQYHIY RLVRD 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot

Grade: custom-made

Target Details

Target: TEAD2

Alternative Name: Tead2 ([TEAD2 Products](#))

Background: Transcriptional enhancer factor TEF-4 (ETEF-1) (Embryonic TEA domain-containing factor) (ETF) (TEA domain family member 2) (TEAD-2),FUNCTION: Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction (By similarity). Binds to the SPH and GT-IIC 'enhancers' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif. {ECO:0000250}.

Molecular Weight: 49.0 kDa

UniProt: [P48301](#)

Target Details

Pathways: [Regulation of Lipid Metabolism by PPARalpha, Tube Formation](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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