Datasheet for ABIN7563970

TLE4 Protein (AA 1-773) (His tag)

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Overview

Quantity:	1 mg
Target:	TLE4
Protein Characteristics:	AA 1-773
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLE4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tle4 Protein expressed in mammalian cells.
Sequence:	MIRDLSKMYP QTRHPAPHQP AQPFKFTISE SCDRIKEEFQ FLQAQYHSLK LECEKLASEK TEMQRHYVMY YEMSYGLNIE MHKQAEIVKR LNAICAQVIP FLSQEHQQQV VQAVERAKQV TMAELNAIIG QQLQAQHLSH GHGLPVPLTP HPSGLQPPAI PPIGSSAGLL ALSSALGGQS HLPIKDEKKH HDNDHQRDRD SIKSSSVSPS ASFRGSEKHR NSTDYSSESK KQKTEEKEIA ARYDSDGEKS DDNLVVDVSN EDPSSPRGSP AHSPRENGLD KTRLLKKDAP ISPASVASSS STPSSKSKEL SLNEKSTTPV SKSNTPTPRT DAPTPGSNST PGLRPVPGKP PGVDPLASSL RTPMAVPCPY PTPFGIVPHA GMNGELTSPG AAYAGLHNIS PQMSAAAAAA AAAAAYGRSP VVGFDPHHHM RVPAIPPNLT GIPGGKPAYS FHVSADGQMQ PVPFPPDALI GPGIPRHARQ INTLNHGEVV CAVTISNPTR HVYTGGKGCV KVWDISHPGN KSPVSQLDCL NRDNYIRSCR LLPDGRTLIV GGEASTLSIW DLAAPTPRIK AELTSSAPAC YALAISPDSK VCFSCCSDGN IAVWDLHNQT LVRQFQGHTD GASCIDISND GTKLWTGGLD NTVRSWDLRE GRQLQQHDFT SQIFSLGYCP TGEWLAVGME NSNVEVLHVT KPDKYQLHLH ESCVLSLKFA HCGKWFVSTG

Product Details

KDNLLNAWRT PYGASIFQSK ESSSVLSCDI SVDDKYIVTG SGDKKATVYE VIY **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:

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:	TLE4
Alternative Name:	Tle4 (TLE4 Products)
Background:	Transducin-like enhancer protein 4 (Grg-4) (Groucho-related protein 4),FUNCTION: Transcriptional corepressor that binds to a number of transcription factors (PubMed:21317240). Inhibits the transcriptional activation mediated by PAX5, and by CTNNB1 and TCF family members in Wnt signaling (PubMed:10811620). The effects of full-length TLE family members may be modulated by association with dominant-negative AES. Essential for the transcriptional repressor activity of SIX3 during retina and lens development and for SIX3 transcriptional auto-repression (PubMed:12050133). Involved in transcriptional repression of

Target Details

	GNRHR and enhances MSX1-mediated transcriptional repression of CGA/alpha-GSU (PubMed:23371388). {ECO:0000269|PubMed:10811620, ECO:0000269|PubMed:12050133, ECO:0000269|PubMed:21317240, ECO:0000269|PubMed:23371388}.
Molecular Weight:	83.8 kDa
UniProt:	Q62441
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