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Datasheet for ABIN7556973

**Tektin 4 Protein (TEKT4) (AA 1-447) (His tag)**

## Overview

Quantity:	1 mg
Target:	Tektin 4 (TEKT4)
Protein Characteristics:	AA 1-447
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tektin 4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Tekt4 Protein expressed in mammalian cells.
Sequence:	MAQTGVLLTK EPAPQSIDVC ELPRKEYEVA CNTGAYTSSG LATAGFRTAK YLRDEWFQNS YARYHQAFAD RDYSERQRHE SGQLVAETGA LAQRTQLDST RKVGERLEDM HCWKSELQRE IDELSSETDL MMAQKLRLQR ALDATSVPYS IATDNLQCRE RRQHPDLVRD YVEVELLKET ELIRNIQELL KRTIGQAVDQ IRLNREHKES CEMNWSKVE VYNIDDTCSR YTNESTQVQF YPHSSKFEES ASTPETWAKF NHDNLLRAER ERLASVNLK LIDCILRDTA EDLRLQCDV NSAFSSRCQE LDDSLQKLQY HLRKTLTEIT DQEHQIAALK QAIKDKEAPL RVAQTRLYQR SHRPNVELCR DNAQFRLSE VEELNMSLRA LKEKLQDAEQ ALRNLEDSRM SLEKDIKVT NSLFIDRQKC MTHRNRYPSV LQLAGYQ <b>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.</b>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: Tektin 4 (TEKT4)

Alternative Name: Tekt4 ([TEKT4 Products](#))

Background: Tektin-4 (Testicular microtubules-related protein 4),FUNCTION: Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia and flagellar axoneme. Forms filamentous polymers in the walls of ciliary and flagellar microtubules (By similarity).  
Contributes to normal sperm motility (PubMed:17244819). {ECO:0000250|UniProtKB:Q2TA38, ECO:0000269|PubMed:17244819}.

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Molecular Weight: 52.0 kDa

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UniProt: [Q149S1](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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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