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Datasheet for ABIN7544247
TEKT2 Protein (AA 1-430) (His tag)

Overview

Quantity:	1 mg
Target:	TEKT2
Protein Characteristics:	AA 1-430
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TEKT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TEKT2 Protein expressed in mammalian cells.
Sequence:	MATLSVKPSR RFQLPDWHTN SYLLSTNAQL QRDASHQIRQ EARVLRNETN NQTIWDEHDN RTRLVERIDT VNRWKEMLDK CLTDLDAEID ALTQMKESAE QNLQAKNLPL DVAIECLTLR ESRRDIDVVK DPVEDELHKE VEVIEATKKA LQKVSQAFE QLCLLQEVQQ QLNSDHRGKM ETLEIDRGCL SLNLRSPNIS LKVDPTRVPD GSTTLQWDD FSRFNKDRAE AEMKAATELR EATALTIAET NNELEAQRVA TEFAFRKRLR EMEKVYSELK WQEKNTLEEI AELQEDIRHL EEDLRTKLLS LKLSHTRLEA RTYRPNVELC RDQAQYGLTD EVHQLEATIA ALKQKLAQAQ DALDALCKHL ARLQADIACK ANSMMLDTKC MDTRRKLTP AERFVPEVDT FTRTTNSTLS PLKSCQLELA 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.

Product Details

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:

TEKT2

Alternative Name:

TEKT2 ([TEKT2 Products](#))

Background:

Tektin-2 (Tektin-t) (Testicular tektin) (Testicular tektin B1-like protein) (TEKTB1) (Tektin-B1),FUNCTION: Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia and flagellar axoneme (PubMed:36191189). Plays a key role in the assembly or attachment of the inner dynein arm to microtubules in sperm flagella and tracheal cilia. Forms filamentous polymers in the walls of ciliary and flagellar microtubules. {ECO:0000250|UniProtKB:Q922G7, ECO:0000269|PubMed:36191189}.

Molecular Weight:

49.7 kDa

UniProt:

[Q9UIF3](#)

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.

Application Details

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