

Datasheet for ABIN7557265  
**KCTD21 Protein (AA 1-260) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCTD21
Protein Characteristics:	AA 1-260
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCTD21 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Kctd21 Protein expressed in mammalian cells.
Sequence:	MSDPITLNVG GKLYTTSLAT LTSFPDSMLG AMFSGKMPTK RDSQGNCFID RDGKVFRIYL NFLRTSHLDL PEDFQEMGLL RREADFYQVQ PLIEALQEKE VELSKAEKNA MLNITLKQRV QTVHFTVREA PQIYSLSSSS MEVFNANIFS TSCLFLKLLG SKLLYCSNGN LSSITSHLQD PNHLTLDWVA NVEGLPEEEY TKQNLKRLWV VPANKQINSF QVFVEEVSKI ALSDGFCIDS SHPHALDFMN NKIIRLIRYR <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>
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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	KCTD21
Alternative Name:	Kctd21 ( <a href="#">KCTD21 Products</a> )
Background:	BTB/POZ domain-containing protein KCTD21 (KCASH2 protein) (Potassium channel tetramerization domain-containing protein 21),FUNCTION: Probable substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex mediating the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes the ubiquitination of HDAC1. Can function as antagonist of the Hedgehog pathway by affecting the nuclear transfer of transcription factor GLI1, the function probably occurs via HDAC1 down-regulation, keeping GLI1 acetylated and inactive. Inhibits cell growth and tumorigenicity of medulloblastoma (MDB). {ECO:0000250 UniProtKB:Q4G0X4}.
Molecular Weight:	29.6 kDa
UniProt:	<a href="#">Q3URF8</a>

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## Application Details

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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.
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## Application Details

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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