

Datasheet for ABIN7548736  
**KCTD3 Protein (AA 1-815) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCTD3
Protein Characteristics:	AA 1-815
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCTD3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant KCTD3 Protein expressed in mammalian cells.
Sequence:	MAGGHCGSFP AAAAGSGEIV QLNVGGRFS TSRQTLMWIP DFFFSSLLSG RISTLRDETG AIFIDRDPAA FAPILNFLRT KELDLRGVSI NVLRHEAEFY GITPLVRRLL LCEELERSSC GSVLFHGYLP PPGIPSRKIN NTVRSADSRN GLNSTEGEAR GNGTQPVLSSG TGEETVRLGF PVDPRKVLIV AGHHNWIVAA YAHFAVCYRI KESSGWQQVF TSPYLDWTIE RVALNAKVVG GPHGDKDKMV AVASESSIL WSVQDGGSGS EIGVFSLGVP VDALFFIGNQ LVATSHTGKV GVWNAVQHW QVQDVVPITS YDTAGSFLLL GCNNGSIYYI DMQKFPLRMK DNDLLVTELY HDPSNDAITA LSVYLTPKTS VSGNWIEIAY GTSSGAVRVI VQHPETVGSG PQLFQTFTVH RSPVTKIMLS EKHLVSVCAD NNHVRTWTVT RFRGMISTQP GSTPLASFKI LSLEETESHG SYSSGNDIGP FGERDDQQVF IQKVPITNK LRVLSSTGK RICEIQAVDC TTISSFTVRE CEGSSRMGSR PRRYLFTGHT NGSIQMWDLT TAMDMVNKSE DKDVGGPTEE ELLKLLDQCD LSTSRCATPN ISPATSVVQH SHLRESNSSL QLQHHDTTHE AATYGSMRPY RESP LLARAR RTESFHSYRD FQTINLNRNV ERAVPENGL GPIQAEVKGA TGECNISERK SPGVEIKSLR

## Product Details

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ELDSGLEVHK IAEGFSESKK RSEDENENK IEFRKKGFE GGGFLGRKKV PYLASSPSTS  
DGGTDSPGTA SPSPTKTTPS PRHKKSDSSG QEYSL **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: KCTD3

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Alternative Name: KCTD3 ([KCTD3 Products](#))

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Background: BTB/POZ domain-containing protein KCTD3 (Renal carcinoma antigen NY-REN-45),FUNCTION: Accessory subunit of potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3 (HCN3) up-regulating its cell-surface expression and current density without affecting its voltage dependence and kinetics. {ECO:0000250|UniProtKB:Q8BFX3}.

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Molecular Weight: 89.0 kDa

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## Target Details

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UniProt: [Q9Y597](#)

## 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.

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