

Datasheet for ABIN7557414  
**KCTD19 Protein (AA 1-927) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCTD19
Protein Characteristics:	AA 1-927
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCTD19 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Kctd19 Protein expressed in mammalian cells.
Sequence:	<p>MEEPGLHES AEDLFHFNVG GWHFSVPRSK LAQFPDSSLW KEASALTSSE NQRLFIDRDG  STFRHVHYL YTSKLSFSSC AELNLLYEQA LGLQLMPLLQ TLDNLKEGRH HLRVRPADIP  VAERASLNYW RTWKCISKPS DFPIKSPAFT GLHDKAPLGL MDTPLLDTEE EVHYCFLPLD  LVAKYPSLVT EDNLLWLAET VALIECECSE FRFIVNFLRS HKILLPDNFS NIDVLEAEVE ILEIPELSEA  VRLYRMNMGG CSRTSCPPLS PGKGGRTASV ESVKPLYLMA LGLLVKYPDS ALGQLRIEST  LDGSRLYITG NGALFQHVRN WLGTCLPLT ETISEVYELC AFLDKRDITY EPMKVALKTH  LEPRTLLPVD VLSEEWTAEV TIYSPQQIHK LYVGSWHYAT TLQTLMKYPE LLSNTQRVYW  IAYGQTLIIH GDGQMFRHIL NFLRLGKLF PSEFKEWPLF CQEVEEYHIP ALSEALAQCE  AYKSWTQEKE SENEAFPIR KLHVVTETG PMAEFSRDAK ETTACMPVDF QECSDRTPWN  KAKGNLTRSS QMEEAEQYTR TIQVSLCRNA KRGGNPSTYS HCSGLCANPR HWGGHSESPP  KKKCTTINLT QKPKADPPV TPMQKLISLV REWDMVNCKQ WEFQPLPASR SSSVEEASLH  VPSGSEAAPQ PGTSAAWKAH SITSEKDAGP QTGPGAGVKD KGPEPTFKPY FPTKRAITLK</p>

## Product Details

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DWKGQRPKDR ESPAPEQPLP NANGTDNPGA ILKVAHPPVW GNDGSCMFFE DSIIYTTQMD  
NIKHTSLTAS PQLREVTFLS FLSWEEMFY AQKCHRFLTD IILDSIRQKD PKAITAKVVS  
LAYRLWTLNI SPKQFVVDLL AIAGFKDDRH TQERLYSWVE LTLPFARKYG RCVDLLIQRG  
LSRSVSYSVL GKYLHEG **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:

- 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

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Target: KCTD19

Alternative Name: Kctd19 ([KCTD19 Products](#))

Background: BTB/POZ domain-containing protein KCTD19,FUNCTION: Transcription regulator which is essential for male fertility and for the completion of meiotic prophase in spermatocytes (PubMed:33961623, PubMed:34075040, PubMed:35341968). Regulates progression of the pachytene stage of meiotic prophase and promotes the transcriptional activation activity ZNF541 (PubMed:35341968). Required for the organization of chromosomes during

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metaphase I (PubMed:33961623, PubMed:34075040). {ECO:0000269|PubMed:33961623, ECO:0000269|PubMed:34075040, ECO:0000269|PubMed:35341968}.

Molecular Weight: 104.8 kDa

UniProt: [Q562E2](#)

## 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