

# Recombinant human KCTD5 protein

Catalog Number: ATGP1798

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-234aa

### UniProt No.

Q9NXV2

### NCBI Accession No.

NP\_061865

### Alternative Names

BTB/POZ domain-containing protein KCTD5

## PRODUCT SPECIFICATION

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### Molecular Weight

28.5 kDa (257aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

BTB/POZ domain-containing protein KCTD5, also known as KCTD5, is a 234 amino acid protein that localizes predominantly in the cytoplasm but translocates to the nucleus upon interaction with REP proteins. The expression of KCTD5 was upregulated post-transcriptionally in peripheral blood lymphocytes stimulated through the T-cell receptor. KCTD5 interacted specifically with cullin3, bound ubiquitinated proteins, and formed oligomers through its BTB domain. Recombinant human KCTD5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

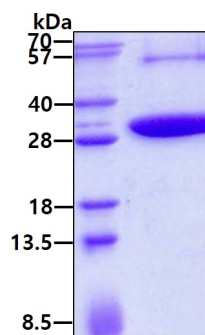
<MGSSHHHHHH SSGLVPRGSH MGS>MAENHCE LLSPARGGIG AGLGGGLCRR CSAGLGALAQ RPGSVSKWVR  
LNVGGTYFLT TRQTLCRDPK SFLYRLCQAD PDLDSKDET GAYLIDRDPT YFGPVLNYLR HGKLVINKDL AEEGVLEEAE  
FYNITSLIKL VKDKIRERDS KTSQVPVKHV YRVLQCQEEE LTQMVSTMSD GWKFEQLVSI GSSYNYGNED QAEFLCVVSK  
ELHNTPYGTA SEPSEKAKIL QERGSRM

## General References

Bayon Y., et al. (2008) FEBS J. 275(15):3900-10  
Zollmam S., et al. (1994) Proc Natl Acad uSA. 91: 10717-10721.

## DATA

### SDS-PAGE



3ug by SDS PAGE under reducing condition and visualized by coomassie blue stain