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# Recombinant human KCTD5 protein

Catalog Number: ATGP1798

#### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

1-234aa

#### **UniProt No.**

O9NXV2

#### **NCBI Accession No.**

NP 061865

#### **Alternative Names**

BTB/POZ domain-containing protein KCTD5

## PRODUCT SPECIFICATION

### **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**

#### **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**

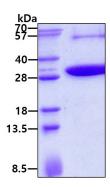
<MGSSHHHHHH SSGLVPRGSH MGS>MAENHCE LLSPARGGIG AGLGGGLCRR CSAGLGALAQ RPGSVSKWVR LNVGGTYFLT TRQTLCRDPK SFLYRLCQAD PDLDSDKDET GAYLIDRDPT YFGPVLNYLR HGKLVINKDL AEEGVLEEAE FYNITSLIKL VKDKIRERDS KTSQVPVKHV YRVLQCQEEE LTQMVSTMSD GWKFEQLVSI GSSYNYGNED QAEFLCVVSK ELHNTPYGTA SEPSEKAKIL QERGSRM

## **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

