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# Recombinant human KCTD4 protein

Catalog Number: ATGP2422

#### PRODUCT INFORMATION

### **Expression system**

E.coli

#### **Domain**

1-259aa

#### UniProt No.

O8WVF5

# **NCBI Accession No.**

NP 940686

#### **Alternative Names**

BTB/POZ domain-containing protein KCTD4, BTB/POZ domain-containing protein KCTD4, bA321C24.3, potassium channel tetramerisation domain containing 4

#### **PRODUCT SPECIFICATION**

# **Molecular Weight**

32.4 kDa (282aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1mM DTT

#### **Purity**

> 85% 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**

KCTD4 has an N-terminal homodimerization domain that contains multiple copies of kelch repeats and/or C2H2-type zinc fingers. Proteins that contain BTB domains are thought to be involved in transcriptional regulation via control of chromatin structure and function. KCTD4 is a 259 amino acid protein that contains one BTB domain, suggesting a possible role as a transcriptional regulator. Recombinant human KCTD4 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**

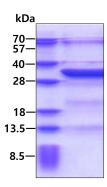
<MGSSHHHHHH SSGLVPRGSH MGS>MERKINR REKEKEYEGK HNSLEDTDQG KNCKSTLMTL NVGGYLYITQ KQTLTKYPDT FLEGIVNGKI LCPFDADGHY FIDRDGLLFR HVLNFLRNGE LLLPEGFREN QLLAQEAEFF QLKGLAEEVK SRWEKEQLTP RETTFLEITD NHDRSQGLRI FCNAPDFISK IKSRIVLVSK SRLDGFPEEF SISSNIIQFK YFIKSENGTR LVLKEDNTFV CTLETLKFEA IMMALKCGFR LLTSLDCSKG SIVHSDALHF IK

#### **General References**

Kimura, K., et al. (2006) Genome Res. 16 (1), 55-65

# **DATA**

#### **SDS-PAGE**



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

