

Recombinant human KCTD4 protein

Catalog Number: ATGP2422

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-259aa

UniProt No.

Q8WVF5

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

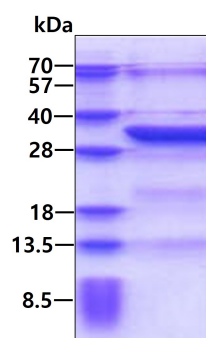
<MGSSHHHHHH SSGLVPRGSH MGS>MERKINR REKEKEYEGK HNSLEDTDQG KNCKSTLMTL NVGGYLYITQ
KQTLTKYPDT FLEGIVNGKI LCPFDADGHY FIDRDGLLFR HVLNFLRNGE LLLPEGFREN QLLAQEAEFF QLKGLAEEVK
SRWEKEQLTP RETTFLEITD NHDRSQGLRI FCNAPDFISK IKSRIVLVSK SRLDGFPEEF SISSNIIQFK YFIKSENGTR
LVLKEDNTFV CTLETLKFEA IMMALKCGFR LLTSLDCSKG SIVHSDALHF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