

Recombinant Human potassium channel tetramerization domain containing 4, His-tagged

Cat. No. KCTD4-339H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | KCTD4, 1-259aa, Human, His tag, E.coli |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-259 a.a. |
| 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. |
| Form | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1mM DTT |
| Molecular Mass | 32.4kDa (282aa) confirmed by MALDI-TOF |
| AA Sequence | MGSSHHHHHH SSGLVPRGSH MGSMERKINR REKEKEYEGK HNSLEDTDQG KNCKSTLMTL NVGGYLYITQ KQTLTKYPDT FLEGIVNGKI LCPFDADGHY FIDRDGLLFR HVLNFLRNGE LLLPEGFREN QLLAQEAFF QLKGLAAEEVK |

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SRWEKEQLTP RETTFLEITD NHDRSQGLRI FCNAPDFISK IKSRIVLVSK
 SRLDGFPEEF SISSNIIQFK YFIKSENGTR LVLKEDNTFV CTLETLKFEA
 IMMALKCGFR LLTSLDCSKG SIVHSDALHF IK

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [KCTD4 potassium channel tetramerisation domain containing 4 \[Homo sapiens \]](#)

Official Symbol KCTD4

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

Gene ID [386618](#)

mRNA Refseq [NM_198404](#)

Protein Refseq [NP_940686](#)

UniProt ID [Q8WVF5](#)

Chromosome Location 13q14.12-q14.13

Function voltage-gated potassium channel activity;

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