

Recombinant Human potassium channel tetramerization domain containing 5, His-tagged

Cat. No. KCTD5-359H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KCTD5, 1-234aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-234 a.a.
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT
Molecular Mass	28.5 kDa (257aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSM AENHCE LLSPARGGIG AGLGGGLCRR CSAGLGALAQ RPGSVSKWVR LNVGGTYFLT TRQTLCRDPK SFLYRLCQAD

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PDLDSKDDET GAYLIDRDPT YFGPVLNYLR HGKLVINKDL AEEGVLEEAE
FYNITSLIKL VKDKIRERDS KTSQVPVKHV YRVLQCQEEE LTQMVSTMSD
GWKFEQLVSI GSSYNYGNED QAEFLCVVSK ELHNTPYGTA SEPSEKAKIL
QERGSRM

Purity >90% 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 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name KCTD5 potassium channel tetramerisation domain containing 5 [Homo sapiens]

Official Symbol KCTD5

Synonyms KCTD5; potassium channel tetramerisation domain containing 5; BTB/POZ domain-containing protein KCTD5; FLJ20040;

Gene ID 54442

mRNA Refseq NM_018992

Protein Refseq NP_061865

MIM 611285

UniProt ID Q9NXV2

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Chromosome Location	16p13.3
Function	protein binding; voltage-gated potassium channel activity;

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