

Recombinant human KCTD5 protein

Catalog Number: ATGP1798

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-234aa

UniProt No.

Q9NXV2

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.

Recombinant human KCTD5 protein

Catalog Number: ATGP1798

Amino acid Sequence

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

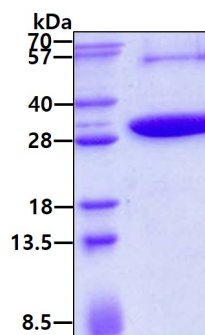
General References

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