KCTD4, 1-259aa, Human, His tag, E.coli

Cat.NO.: TP02719

3th Edition

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

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 Weight:32.4kDa (282aa) confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSMERKINRREKEKEYEGKHNSLEDTDQGKNCKSTLMTLNVGGYLYITQKQTL
TKYPDTFLEGIVNGKILCPFDADGHYFIDRDGLLFRHVLNFLRNGELLLPEGFRENQLLAQEAEFFQLKGLAEEVKSR
WEKEQLTPRETTFLEITDNHDRSQGLRIFCNAPDFISKIKSRIVLVSKSRLDGFPEEFSISSNIIQFKYFIKSENGTRLVL
KEDNTFVCTLETLKFEAIMMALKCGFRLLTSLDCSKGSIVHSDALHFIK

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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