

Recombinant human KCTD11 protein

Catalog Number: ATGP1983

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-232aa

UniProt No.

Q693B1

NCBI Accession No.

NP_001002914.1

Alternative Names

BTB/POZ domain-containing protein KCTD11, C17orf36, KCASH1, MGC129844, REN, REN/KCTD11

PRODUCT SPECIFICATION

Molecular Weight

28 kDa (252aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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 KCTD11, is a 232 amino acid regulator of neuronal differentiation that induces growth arrest, apoptosis and the expression of p27, a cyclin-dependent kinase inhibitor. Expressed at highest levels in cerebellum, KCTD11 functions as an antagonist of the Hedgehog pathway and activator of the caspase cascade. Recombinant human KCTD11 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MLGAMFRAGT PMPPNLNSQG GGHYFIDRDG KAFRHILNFL RLGRDLPRG

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YGETALLRAE ADFYQIRPLL DALRELEASESQ GTPAPTAALL HADV DVSPRL VHFSARRGPH HYELSSVQVD TFRANLFCTD
SECLGALRAR FGVASGDRAE GSPHFHLEWA PRPVELPEVE YGRLGLQPLW TGGPGERREV VGTPSFLEEV LRVALEHGFR
LDSVFPDPED LLNSRSLRFV RH

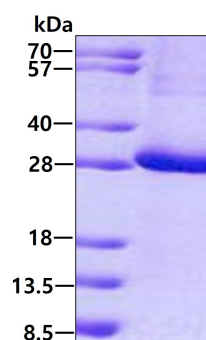
General References

Gallo R., et al. (2002) J Cell Biol. 158:731-740.

Di Marcotullio L., et al. (2004) Proc Natl Acad Sci uSA. 101:10833-10838.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.