

## 32-4044: Recombinant Human Potassium Channel Tetramerisation Domain Containing 11

**Alternative Name** : C17orf36,KCASH1,MGC129844,REN,REN/KCTD11,KCTD11,BTB/POZ domain-containing protein KCTD11.

### Description

Source : E.coli. KCTD11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (1-232a.a) and having a molecular mass of 28kDa. KCTD11 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Potassium Channel Tetramerisation Domain Containing 11 (KCTD11) is a 232 amino acid regulator of neuronal differentiation which induces growth arrest, apoptosis and the expression of p27 (cyclin-dependent kinase inhibitor). KCTD11 is expressed most highly in cerebellum. KCTD11 functions as an antagonist of the Hedgehog pathway and activator of the caspase cascade and among its related super-pathways are Melatonin Signaling and Activation of cAMP-Dependent PKA.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** KCTD11 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MLGAMFRAGT PMPPNLNSQG GGHYFIDRDG KA FRHILNFL  
RLGRDLPRG YGETALLRAE ADFYQIRPLL DALRELEASEQ GTPAPTAALL HADVDVSPRL VHFSARRGPH  
HYELSSVQVD TFRANLFCTD SECLGALRAR FGVASGDRAE GSPHFHLEWA PRPVELPEVE YGRLGLQPLW  
TGGPGERREV VGTSPFLEEV LRVALEHGFR LDSVFPDPED LLNSRSLRFV RH.