

PRODUCT INFORMATION

KCTD11 **Target**

Synonyms C17orf36; KCASH1; REN; REN/KCTD11

Recombinant protein of human potassium **Description** channel tetramerisation domain containing 11

(KCTD11)

N/A

Delivery 2-3 weeks **Uniprot ID** Q693B1 **Expression Host** HEK293T Tag C-Myc/DDK

Molecular Characterization

Background

Molecular Weight 25.7 kDa

> 80% as determined by SDS-PAGE and **Purity**

Coomassie blue staining

Formulation & 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10%

Reconstitution glycerol

Storage & Shipping Store at -80°C.

> Plays a role as a marker and a regulator of neuronal differentiation; Up-regulated by a variety of neurogenic signals, such as rétinoic acid, epidermal growth factor/EGF and

NGFB/nerve growth factor. Induces apoptosis, growth arrest and the expression of cyclindependent kinase inhibitor CDKN1B. Plays a role as a tumor repressor and inhibits cell growth and tumorigenicity of medulloblastoma (MDB). Acts as probable substrate-specific adapter for a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex towards HDAC1. Functions as antagonist

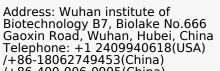
of the Hedgehog pathway on cell proliferation and differentiation by affecting the nuclear transfer of transcription factor GLI1, thus maintaining cerebellar granule cells in undifferentiated state, this effect probably occurs via HDAC1 downregulation, keeping GLI1 acetylated and inactive. When knock-down, Hedgehog antagonism is impaired and proliferation of granule cells is

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sustained. Activates the caspase cascade.[UniProtKB/Swiss-Prot Function]

Usage Research use only

Conjugate Unconjugated



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