

PRODUCT INFORMATION

Tag C-Flag Tag KCD11 **Target**

Synonyms C17orf36, KCASH1, REN, REN/KCTD11 Human KCD11 full length protein-synthetic Description

nanodisc **Delivery** 6~8weeks **Uniprot ID** Q693B1 **Expression Host HEK293**

Ion Channels: Other **Protein Families**

Protein Pathways N/A

Formulation &

Reconstitution

Storage & Shipping

Background

The human full length KCD11 protein has a MW of **Molecular Weight**

25.9kDa Lyophilized from nanodisc solubilization buffer (20

mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. Store at -20°C to -80°C for 12 months in

lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

Plays a role as a marker and a regulator of neuronal differentiation; Up-regulated by a variety of neurogenic signals, such as retinoic

acid, epidermal growth factor/EGF and NGFB/nerve growth factor. Induces apoptosis, growth arrest and the expression of cyclin-dependent kinase inhibitor CDKN1B. Plays a role as a tumor repressor and inhibits cell growth and tumorigenicity of medulloblastoma (MDB). Acts as

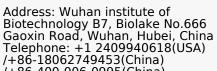
probable substrate-specific adapter for a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex towards HDAC1. Functions as antagonist of the Hedgehog pathway on cell proliferation and differentiation by affecting the nuclear transfer of transcription factor GLI1, thus maintaining cerebellar granule cells in undifferentiated state,

this effect probably occurs via HDAC1 down-regulation, 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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