

Recombinant Human KCTD21 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KCTD21-3316H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KCTD21 MS Standard C13 and N15-labeled recombinant protein (NP_001025030) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Probable substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex mediating the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes the ubiquitination of HDAC1. Can function as antagonist of the Hedgehog pathway by affecting the nuclear transfer of transcription factor GLI1; the function probably occurs via HDAC1 down-regulation, keeping GLI1 acetylated and inactive. Inhibits cell growth and tumorigenicity of medulloblastoma (MDB).
Molecular Mass	29.6 kDa
AA Sequence	MSDPITLNVGGKLYTTSLATLTSFPDSMLGAMFSGKMPTKRDSQGNCFIDRDGKVF RYILNFLRTSHLDLPEDFQEMGLLRREADFYQVQPLIEALQEKEVELSKAEKNAMLNI TLNQRVQTVHFTVREAPQIYSLSSSSMEVFNANIFSTSCFLKLLGSKLFYCSNGNLS SITSHLQDPNHLTLDWVANVEGLPEEEYTKQNLKRLWVVPANKQINSFQVFVEEVK IALSDGFCIDSSHPHALDFMNNKIIRLIRYRTRTRPLEQKLISEEDLAANDILDYKDDDD KV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

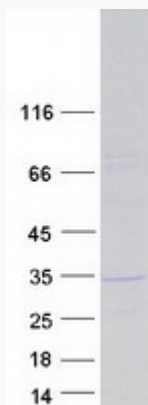
GENE INFORMATION

Gene Name	KCTD21 potassium channel tetramerisation domain containing 21 [Homo sapiens (human)]
Official Symbol	KCTD21
Synonyms	KCTD21; potassium channel tetramerisation domain containing 21; BTB/POZ domain-containing protein KCTD21; KCASH2;
Gene ID	283219
mRNA Refseq	NM_001029859
Protein Refseq	NP_001025030
MIM	618790
UniProt ID	Q4G0X4

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SDS-PAGE

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