

Recombinant Mouse Kctd6 Protein, Myc/DDK-tagged

Cat. No. Kctd6-3675M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length potassium channel tetramerisation domain containing 6 (Kctd6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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; the function seems to depend on KCTD11:KCTD6 oligomerization. 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). Involved in regulating protein levels of ANK1 isoform Mu7 probably implicating CUL3-dependent proteasomal degradation.
Molecular Mass	27.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Kctd6 potassium channel tetramerisation domain containing 6 [Mus musculus (house mouse)]
Official Symbol	Kctd6
Synonyms	KCTD6; potassium channel tetramerisation domain containing 6; BTB/POZ domain-containing protein KCTD6; AU044285; 5430433B02Rik
Gene ID	71393
mRNA Refseq	NM_027782
Protein Refseq	NP_082058
UniProt ID	Q8BNL5

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