# Recombinant Mouse Kctd21 Protein, Myc/DDK-tagged

**Cat. No.** Kctd21-3671M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Purified recombinant protein of mouse full-length potassium channel tetramerisation domain containing 21 (Kctd21), 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. 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** | 29.7 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. |
| **Storage** | Store at -80 centigrade after receiving vials. |

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| **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

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| **Gene Name** | Kctd21 potassium channel tetramerisation domain containing 21 [ Mus musculus (house mouse) ] |
| **Official Symbol** | Kctd21 |
| **Synonyms** | KCTD21; potassium channel tetramerisation domain containing 21; BTB/POZ domain-containing protein KCTD21; K+ channel tetramerisation/BTB/POZ/BTB domain profile containing protein; EG622320 |
| **Gene ID** | 622320 |
| **mRNA Refseq** | NM_001039039 |
| **Protein Refseq** | NP_001034128 |
| **UniProt ID** | Q3URF8 |

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