

Product datasheet for **TP306177M**

KCTD21 (NM_001029859) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human potassium channel tetramerisation domain containing 21 (KCTD21), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC206177 protein sequence Red =Cloning site Green =Tags(s) |
| | MSDPITLNVGGKLYTTSLATLTSFPDSMLGAMFSGKMPTKRDSQGNCFIDRDGKVFYRILNFLTSHLDL PEDFQEMGLLRREADFYQVQPLIEALQEKEVELSKAEKNAMLNITLNQRVQTVHFTVREAPQIYSLSSSS MEVFNANIFSTSCFLKLLGSKLFYCSNGNLSSITSHLQDPNHLTLDWVANVEGLPEEEYTKQNLKRLWV VPANKQINSFQVFVEEVKIALSDGFCIDSSHPHALDFMNNKIIRLIRYR |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 29.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_001025030</u> |
| Locus ID: | 283219 |



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UniProt ID: Q4G0X4

RefSeq Size: 3396

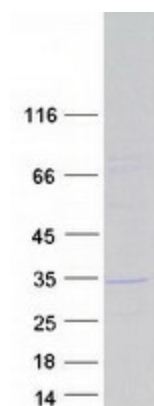
Cytogenetics: 11q14.1

RefSeq ORF: 780

Synonyms: KCASH2

Summary: 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) (PubMed:21472142).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified KCTD21 protein (Cat# [TP306177]). The protein was produced from HEK293T cells transfected with KCTD21 cDNA clone (Cat# [RC206177]) using MegaTran 2.0 (Cat# [TT210002]).