

Product datasheet for **RG205633**

KCTD6 (NM_153331) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KCTD6 (NM_153331) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: KCTD6
Synonyms: KCASH3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205633 representing NM_153331
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAATGGAGACTGGGGCTATATGATGACTGACCCAGTCACATTAATGTAGGTGGACACTTGTATA
CAACGCTCTCACCACATTGACGCGTTACCCGGATTCCATGCTTGGAGCTATGTTTGGGGGGGACTTCCC
CACAGCTCGAGACCCTCAAGGCAATTACTTTATTGATCGAGATGGACCTTTTTCCGATATGTCCTCAAC
TTCTTAAGAACTTCAGAATTGACCTTACCGTTGGATTTAAGGAATTTGATCTGCTTCGAAAGAAGCAG
ATTTTTACCAGATTGAGCCCTTGATTCACTGTCTCAATGATCCTAAGCCTTTGTATCCCATGGATACTTT
TGAAGAAGTTGTGGAGCTGTCTAGTACTCGGAAGCTTTCTAAGTACTCCAACCCAGTGGCTGTCATCATA
ACGCAACTAACCATCACCACTAAGGTCCATTCCTTACTAGAAGGCATCTCAAATTTTTACCAAGTGGA
ATAAGCACATGATGGACACCAGAGACTGCCAGGTTTCTTTACTTTTGGACCCTGTGATTATCACCGGA
AGTTTTCTTTAGGGTCCACCTGATGGAATACATTACAAAACAAGGTTTCACGATCCGCAACCCGGGTG
CATCACATGAGTGAGCGGGCCAATGAAAACACAGTGGAGCACAACCTGGACTTTCTGTAGGCTAGCCCGGA
AGACAGACGAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_153331.3](#)

RefSeq Size: 1823 bp

RefSeq ORF: 714 bp

Locus ID: 200845

UniProt ID: [Q8NC69](#)

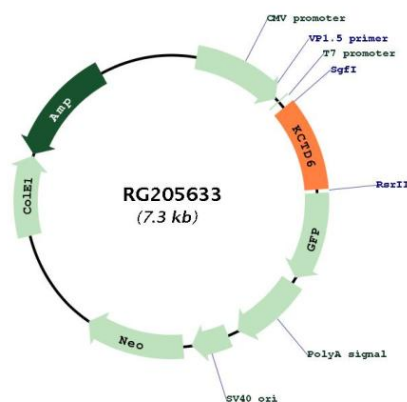
Cytogenetics: 3p14.3

Domains: BTB, K_tetra

Protein Families: Ion Channels: Other

Gene 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; 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) (PubMed:21472142). Involved in regulating protein levels of ANK1 isoform Mu17 probably implicating CUL3-dependent proteasomal degradation (PubMed:22573887).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205633