

## Product datasheet for **TP305633**

### **KCTD6 (NM\_153331) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human potassium channel tetramerisation domain containing 6 (KCTD6), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205633 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MDNGDWGYMMTDPVTLNVGGHLYTTSLTTLTRYPD SMLGAMFGGDFPTARDPQGN YFIDRDGPLFRYVLN FLRTSELTLPDFKEFDLLRKEADFYQIEPLIQCLNDPKPLYPMDTFEEVVELSSTRKLSKYSNPVAVII TQLTITTKVHSLLEGISNYFTKWNKHMMMDTRDCQVSFTFGPCDYHQEVSLRVHLM EYITKQGFTIRNTRV HHMSERANENTVEHNWTFCLARKTDD
	<b>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	27.4 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:	<a href="#">NP_699162</a>
Locus ID:	200845



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UniProt ID: [Q8NC69](#)

RefSeq Size: 1840

Cytogenetics: 3p14.3

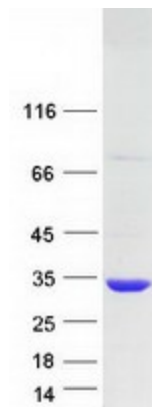
RefSeq ORF: 711

Synonyms: KCASH3

**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]

**Protein Families:** Ion Channels: Other

### Product images:



Coomassie blue staining of purified KCTD6 protein (Cat# TP305633). The protein was produced from HEK293T cells transfected with KCTD6 cDNA clone (Cat# [RC205633]) using MegaTran 2.0 (Cat# [TT210002]).