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Product datasheet for TP761863

POLDIP1 (KCTD13) (NM_178863) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human potassium channel tetramerisation domain containing 13 (KCTD13), full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length KCTD13
Tag:	N-GST and C-His
Predicted MW:	64.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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:	NP_849194
Locus ID:	253980
UniProt ID:	Q8WZ19
RefSeq Size:	1745
Cytogenetics:	16p11.2
RefSeq ORF:	987
Synonyms:	BACURD1; FKSG86; hBACURD1; PDIP1; POLDIP1

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Summary: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for synaptic transmission (PubMed:19782033). The BCR(KCTD13) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome (PubMed:19782033) Degradation of RHOA regulates the actin cytoskeleton and promotes synaptic transmission (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families: Ion Channels: Other, Transcription Factors

Product images: