

## Product datasheet for **TP760326**

### **POLDIP1 (KCTD13) (NM\_178863) Human Recombinant Protein**

#### **Product data:**

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Purified recombinant protein of Homo sapiens potassium channel tetramerisation domain containing 13 (KCTD13), full length, with N-terminal HIS tag, expressed in E.Coli, 50ug |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | E. coli   |
| <b>Expression cDNA Clone or AA Sequence:</b> | A DNA sequence encoding human full-length KCTD13  |
| <b>Tag:</b>                                  | N-His   |
| <b>Predicted MW:</b>                         | 36.2 kDa  |
| <b>Concentration:</b>                        | >0.05 µg/µL as determined by microplate BCA method  |
| <b>Purity:</b>                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Buffer:</b>                               | 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol  |
| <b>Note:</b>                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                          |
| <b>Storage:</b>                              | Store at -80°C.   |
| <b>Stability:</b>                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                 |
| <b>RefSeq:</b>                               | <a href="#">NP_849194</a>   |
| <b>Locus ID:</b>                             | 253980  |
| <b>UniProt ID:</b>                           | <a href="#">Q8WZ19</a>  |
| <b>RefSeq Size:</b>                          | 1745  |
| <b>Cytogenetics:</b>                         | 16p11.2   |
| <b>RefSeq ORF:</b>                           | 987   |
| <b>Synonyms:</b>                             | BACURD1; FKSG86; hBACURD1; PDIP1; POLDIP1   |



[View online »](#)

**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:**