

## Product datasheet for **TP760101**

### **RGS18 (NM\_130782) Human Recombinant Protein**

#### **Product data:**

|  |  |
|--|--|
| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | Recombinant protein of human regulator of G-protein signaling 18 (RGS18), 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 RGS18  |
| <b>Tag:</b>                                  | N-His  |
| <b>Predicted MW:</b>                         | 27.6 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_570138</a>  |
| <b>Locus ID:</b>                             | 64407  |
| <b>UniProt ID:</b>                           | <a href="#">Q9NS28</a>   |
| <b>RefSeq Size:</b>                          | 2158   |
| <b>Cytogenetics:</b>                         | 1q31.2   |
| <b>RefSeq ORF:</b>                           | 705  |
| <b>Synonyms:</b>                             | RGS13  |



[View online »](#)

**Summary:**

This gene encodes a member of the regulator of G-protein signaling family. This protein is contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

**Product images:**