

## Product datasheet for TP300239L

### TMEM14B (NM\_030969) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human transmembrane protein 14B (TMEM14B), transcript variant 1, 1 mg  |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC200239 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MEKPLFPLVPLHWFGFGYTALVSGGIVGYVKTGSVPSLAAWLLFGSLAGLGAYQLYQDPRNVWGFLAAT<br>SVTFVGVMGMRSYYYGKFMPVGLIAGASLLMAAKVGVRMLMTSD<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK   |
| Predicted MW:                         | 11.9 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:                               | <u><a href="#">NP_112231</a></u>  |
| Locus ID:                             | 81853   |
| UniProt ID:                           | <u><a href="#">Q9NUH8</a></u>   |
| RefSeq Size:                          | 992   |


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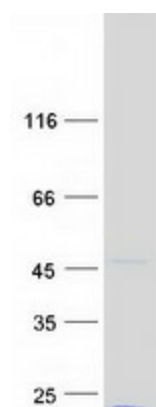
**Cytogenetics:** 6p24.2

**RefSeq ORF:** 342

**Summary:** Primate-specific protein involved in cortical expansion and folding in the developing neocortex. May drive neural progenitor proliferation through nuclear translocation of IQGAP1, which in turn promotes G1/S cell cycle transitions.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Transmembrane

## Product images:



Coomassie blue staining of purified TMEM14B protein (Cat# [TP300239]). The protein was produced from HEK293T cells transfected with TMEM14B cDNA clone (Cat# [RC200239]) using MegaTran 2.0 (Cat# [TT210002]).