

# Recombinant Full Length Human TPPP Protein, C-Flag-tagged

**Cat. No.** TPPP-1506HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human TPPP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Enables several functions, including GTPase activity; magnesium ion binding activity; and protein homodimerization activity. Involved in several processes, including microtubule cytoskeleton organization; negative regulation of tubulin deacetylation; and positive regulation of protein polymerization. Located in several cellular components, including mitochondrion; mitotic spindle; and perinuclear region of cytoplasm. Colocalizes with microtubule and microtubule bundle. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 23.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MADKAKPAKAANRTPPKSPGDPSKDRAAKRLSLESEGAGEGAAASPELSALEEAFR<br>RFAVHGDARATGRE MHGKNWSKLCKDCQVIDGRNVTVDVDIVFSKIKGKSCRTIT<br>FEQFQEAL EELAKKRFDKSS EEA VREV HRLIEGKAPIISGVTKA ISSPTVSRLTD TTK<br>FTGSHKERFDPSGKGKGKAGRVDLVDESGYVSGYKHAGT<br>YDQKVQGGKTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                           |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

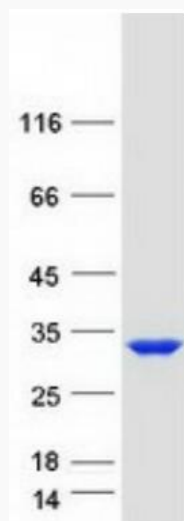
## GENE INFORMATION

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Gene Name</b>       | TPPP tubulin polymerization promoting protein [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | TPPP                                                                   |
| <b>Synonyms</b>        | p24; p25; TPPP1; TPPP/p25; p25alpha                                    |
| <b>Gene ID</b>         | 11076                                                                  |
| <b>mRNA Refseq</b>     | NM_007030.3                                                            |
| <b>Protein Refseq</b>  | NP_008961.1                                                            |
| <b>MIM</b>             | 608773                                                                 |
| <b>UniProt ID</b>      | O94811                                                                 |

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Coomassie blue staining of purified TPPP protein.

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