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# 32-5113: Recombinant Human Tubulin Polymerization Promoting Protein

**Alternative Name :** Tubulin polymerization-promoting protein,TPPP,25 kDa brain-specific protein,TPPP/p25,p24,p25-alpha,TPPP1,p25,p25alpha.

## Description

Source : Escherichia Coli. TPPP Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 229 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 24.9kDa (calculated). Tubulin Polymerization Promoting Protein (TPPP) probably plays a part in the polymerization of tubulin into microtubules, as well as in microtubule bundling and the stabilization of existing microtubules, thus maintaining the integrity of the microtubule network. TPPP may also have a role in mitotic spindle assembly and nuclear envelope breakdown. TPPP/p235 level in cerebrospinal fluid is considerably higher in multiple sclerosis patients.

## Product Info

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| **Amount :** | 10 µg |
| **Purification :** | Greater than 85.0% as determined by SDS-PAGE. |
| **Content :** | TPPP filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4. |
| **Storage condition :** | Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. |
| **Amino Acid :** | MKHHHHHHASMADKAKPAKA ANRTPPKSPG DPSKDRAAKR LSLESEGAGE GAAASPELSA LEEAFRRFAV HGDARATGRE MHGKNWSKLC KDCQVIDGRN VTVTDVDIVF SKIKGKSCRT ITFEQFQEAL EELAKKRFKD KSSEEAVREV HRLIEGKAPI ISGVTKAISS PTVSRLTDTT KFTGSHKERF DPSGKGKGKA GRVDLVDESG YVSGYKHAGT YDQKVQGGK. |

## Application Note

It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. TPPP is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***