

Tubulin Polymerization Promoting Protein Human Recombinant

Item Number	rAP-4000
Synonyms	Tubulin polymerization-promoting protein, TPPP, 25 kDa brain-specific protein, TPPP/p25, p24, p25-alpha, TPPP1, p25, p25alpha.
Description	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).
Uniprot Accession Number	O94811
Amino Acid Sequence	MKHHHHHHASMDKAKPAKA ANRTPPKSPG DPSKDRAAKR LSLESEGAGE GAAASPELSA LEEAFRRFAV HGDARATGRE MHGKNWSKLC KDCQVIDGRN VTVTDVDIVF SKIKGKSCRT IT- FEQFQEAL EELAKKRFKD KSSEEAVREV HRLIEGKAPI ISGVTKAISS PTVSRLTDTT KFTGSHKERF DPSGKGGKGA GRVDLVDESG YVSGYKHAGT YDQKVQGGK.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	TPPP filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	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 i
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**