TPPP 抗原（重组蛋白）

中文名称：TPPP 抗原（重组蛋白）

英文名称： TPPP Antigen (Recombinant Protein)

别　名： p24; p25; TPPP1; TPPP/p25; p25alpha

储　存： 冷冻（-20℃）

相关类别： 抗原

概述

Full length fusion protein

技术规格

Full name:	tubulin polymerization promoting protein
Synonyms:	p24; p25; TPPP1; TPPP/p25; p25alpha
Swissprot:	O94811
Gene Accession:	BC131506
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Tubulin family members are globular proteins important in the assembly of microtubules. Microtubules are structural components that play important roles in mitosis, cytokinesis and vesicle transport. TPPP (Tubulin polymerization-promoting protein), also known as p24 and p25, is a widely expressed 219 amino acid protein found in the perinuclear region of the cytoplasm. TPPP may form dimers and functions in polymerizing tubulin into double-walled tubules, polymorphic aggregat

	es, or stabilized blocks. TPPP overexpression prevents formation of th e mitotic spindle assembly and breakdown of the nuclear envelope. T PPP is phosphorylated by TPK II and is encoded by a gene that map s to human chromosome 5, which contains 181 million base pairs an d comprises nearly 6% of the human genome. May play a role in th e polymerization of tubulin into microtubules, microtubule bundling a nd the stabilization of existing microtubules, thus maintaining the int egrity of the microtubule network. May play a role in mitotic spindle assembly and nuclear envelope breakdown.