

# Recombinant Human TPPP

Catalog No: #GP12390



Package Size: #GP12390-1 100ug

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Human TPPP
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	tubulin polymerization promoting protein
Other Names	p24; p25; TPPP1; TPPP/p25; p25alpha
Accession No.	Swissprot:O94811Gene Accession:BC131506
Uniprot	O94811
GeneID	11076;
Storage	-20~-80°C, pH 7.6 PBS

## 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 aggregates, or stabilized blocks. TPPP overexpression prevents formation of the mitotic spindle assembly and breakdown of the nuclear envelope. TPPP is phosphorylated by TPK II and is encoded by a gene that maps to human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human genome. May play a role in the polymerization of tubulin into microtubules, microtubule bundling and the stabilization of existing microtubules, thus maintaining the integrity of the microtubule network. May play a role in mitotic spindle assembly and nuclear envelope breakdown.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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