

# Recombinant Human PTMA

Catalog No: #GP12111



Package Size: #GP12111-1 100ug

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## Description

Product Name	Recombinant Human PTMA
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	prothymosin, alpha
Other Names	TMSA
Accession No.	Swissprot:P06454Gene Accession:BC003510
Uniprot	P06454
GeneID	5757;
Storage	-20~-80°C, pH 7.6 PBS

## Background

Prothymosin alpha (PTMA) is a nuclear protein possessing a number of cellular functions including cell survival. PTMA is identified to be localized in the nuclei of neurons, while it is found in both nuclei and cytoplasm in the astrocytes and microglia of adult brain. PTMA inhibits the neuronal necrosis induced by serum-free starvation or ischemia-reperfusion stress, which causes a rapid internalization of GLUT1/4, leading to a decrease in glucose uptake and cellular ATP levels. Extensive research on PTMA showed that it is of clinical significance and potential medical use as they may serve as a molecular marker for cancer prognosis and/or as therapeutic agents for treating immunodeficiencies, autoimmune diseases and malignancies.

## 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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