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## Datasheet for ABIN7317565 PTMA Protein (GST tag)

### Overview

Quantity:	100 µg
Target:	PTMA
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTMA protein is labelled with GST tag.

### Product Details

Purpose:	Recombinant Human PTMA Protein (GST Tag)
Sequence:	Ser 2-Asp 111
Characteristics:	A DNA sequence encoding the human PTMA (P06454-1) (Ser 2-Asp 111) was fused with the GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

### Target Details

Target:	PTMA
Alternative Name:	PTMA ( <a href="#">PTMA Products</a> )
Background:	Background: PTMA (prothymosin, alpha, N-GST chimera) is a small, 12.4 kDa protein. It is a 109-111 amino acid long polypeptide as the precursor of thymosin α1. Thymosins are named because they were originally isolated from the thymus. But now in many other tissues, thymosins also can be detected. Thymosins have diverse biological activities, and two in

## Target Details

particular, thymosins a1 and \_4, have potentially important uses in medicine, some of which have already progressed from the laboratory to the clinic. In general, PTMA is associated with cellular proliferation and carcinogenesis (Eschenfeldt et al., 1986), cellular and viral transcription (Cotter et al., 2000), protection against apoptosis and chromatin remodelling (Karetsou et al., 1998). PTMA may have a dual role both intracellularly and extracellularly. In relation to diseases, thymosins have been categorized as biological response modifiers. Thymosin a1 is derived from PTMA. For animals that lack thymus glands, thymosin a1 is responsible for the activity of that preparation in restoring immune function.

Synonym: TMSA

Molecular Weight:	39 kDa
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.5
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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