# antibodies -online.com





# Datasheet for ABIN7504554 **Tropomyosin Protein (AA 1-284) (His tag)**



Go to Product page

$\sim$					
( )	VE	۲۱	/1	$\triangle$	Λ

Quantity:	100 μg
Target:	Tropomyosin (TPM1)
Protein Characteristics:	AA 1-284
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tropomyosin protein is labelled with His tag.

#### **Product Details**

Purpose:	Human TPM1 Protein
Sequence:	Met1-Met284
Characteristics:	Recombinant Human TPM1 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Met1-Met284.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

## **Target Details**

Target:	Tropomyosin (TPM1)
Alternative Name:	TPM1 (TPM1 Products)

## **Target Details**

Background:	Tropomyosin-1 (TPM1), a widely expressed actin-binding protein, is downregulated in many tumors and associated with cancer progression. TPM1 overexpression in RCC cell lines can induce tumor cell apoptosis via the p53-mediated mitochondrial pathway. Further studies are needed to fully elucidate the potential of TPM1 as a candidate for RCC targeted therapy in the future.	
Molecular Weight:	34.26 kDa same as Tris-Bis PAGE result.	
NCBI Accession:	NP_000357	
Pathways:	Regulation of Actin Filament Polymerization	
Application Details		
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.	
Buffer:	Lyophilized from 0.22µm filtered solution in PBS, 150 mM NaCl ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.	
Storage:	-20 °C,-80 °C	
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	
Expiry Date:	12 months	