

## Datasheet for ABIN7319117 **TPM3 Protein**



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### Overview

Quantity:	50 µg
Target:	TPM3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human Tropomyosin $\alpha$ -3 Chain/TPM3 Protein
Sequence:	Met 1-Met248
Characteristics:	Recombinant Human Tropomyosin alpha-3 Chain is produced by our E.coli expression system and the target gene encoding Met1-Met248 is expressed.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	TPM3
Alternative Name:	Tropomyosin alpha-3 Chain/TPM3 ( <a href="#">TPM3 Products</a> )
Background:	Background: Tropomyosin Alpha-3 Chain (TPM3) is a member of the Tropomyosin family. TPM3 exists as a heterodimer consisting of an alpha and a beta chain. TPM3 plays a central role in association with the Troponin complex and in the calcium dependent regulation of vertebrate striated muscle contraction. Defects in TPM3 are the cause of thyroid papillary

Target Details

	carcinoma. Mutations in the TPM3 gene cause autosomal dominant nemaline myopathy, and oncogenes formed by chromosomal translocations involving this locus are linked with cancer. Synonym: Tropomyosin Alpha-3 Chain, Gamma-Tropomyosin, Tropomyosin-3, Tropomyosin-5, hTM5, TPM3
Molecular Weight:	29.0 kDa

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
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.