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Datasheet for ABIN7319117

## TPM3 Protein

### 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

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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

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Molecular Weight: 29.0 kDa

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2  $\mu$ m 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.