

**Product Name: Recombinant Human TPM3**  
**Catalog #: PEH1731**



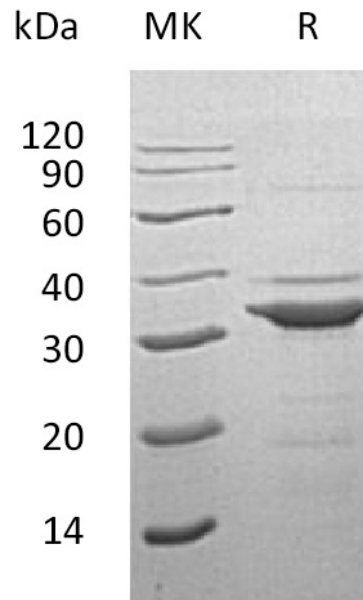
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## Summary

<b>Name</b>	Tropomyosin alpha-3 chain/TPM3
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Tropomyosin Alpha-3 Chain is produced by our E.coli expression system and the target gene encoding Met1-Met248 is expressed.
<b>Accession #</b>	P06753-2
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	29 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

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### Alternative Names

Tropomyosin Alpha-3 Chain; Gamma-Tropomyosin; Tropomyosin-3; Tropomyosin-5; hTM5; TPM3

### 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 carcinoma. Mutations in the TPM3 gene cause autosomal dominant nemaline myopathy, and oncogenes formed by chromosomal translocations involving this locus are linked with cancer.

### Note

For Research Use Only , Not for Diagnostic Use.