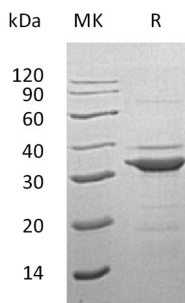


Summary

Name	Tropomyosin alpha-3 chain/TPM3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	Recombinant Human Tropomyosin Alpha-3 Chain is produced by our E.coli expression system and the target gene encoding Met1-Met248 is expressed.
Accession #	P06753-2
Host	E.coli
Species	Human
Predicted Molecular Mass	29 KDa
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at \leq -70°C, stable for 6 months after receipt. Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Human TPM3
Catalog #: PEH1731

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.