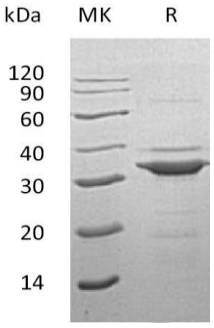
Recombinant Human TPM3

Catalog No: CF21

Description	Recombinant Human Tropomyosin alpha-3 Chain is produced by our E.coli expression system and the target gene encoding Met1-Met248 is expressed.
Source	E.coli
Alternative name	Tropomyosin Alpha-3 Chain; Gamma-Tropomyosin; Tropomyosin-3; Tropomyosin-5; hTM5; TPM3
Accession No.	P06753-2
Predicted Molecular Weight	29KDa
Apparent Molecular Weight	32kDa, reducing conditions.
Quality Control	Purity: >90% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	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.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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.

SDS-PAGE



R. Reducing sample
NR. Non-reducing sample