

Datasheet for ABIN667406

Tropomyosin 4 Protein (TPM4) (AA 1-248) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Tropomyosin 4 (TPM4)
Protein Characteristics:	AA 1-248
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tropomyosin 4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	TPM4, 1-248aa, Human, His tag, E.coli
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	Tropomyosin 4 (TPM4)
Alternative Name:	TPM4 (TPM4 Products)
Background:	TPM4 belongs to the tropomyosin family. Tropomyosins are present in virtually all eukaryotic cells (both muscle and nonmuscle), where they bind actin filaments and function to modulate actin-myosin interaction and stabilize actin filament structure. TPM4 binds to actin filaments in muscle and nonmuscle cells and plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle

Target Details

contraction is regulated by interaction with caldesmon. Recombinant human TPM4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Tropomyosin alpha-4 chain, Tropomyosin 4. NCBI no.: NP_003281

Molecular Weight: 30.7 kDa (268aa), confirmed by MALDI-TOF

Application Details

Restrictions: For Research Use only

Handling

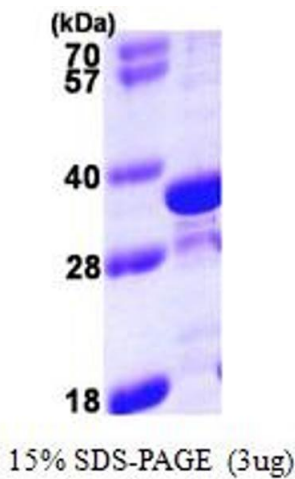
Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

Storage: 4 °C

Images



SDS-PAGE

Image 1.