

Product datasheet for **AR09932PU-L**

Tropomyosin-4 (TPM4) (1-248, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Tropomyosin-4 (TPM4) (1-248, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Tag:	His-tag
Predicted MW:	30.7 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TPM4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001138632
Locus ID:	7171
Cytogenetics:	19p13.12-p13.11
Synonyms:	HEL-S-108
Summary:	This gene encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. In muscle cells, they regulate muscle contraction by controlling the binding of myosin heads to the actin filament. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2009]



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Protein Pathways: Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)

Product images:

