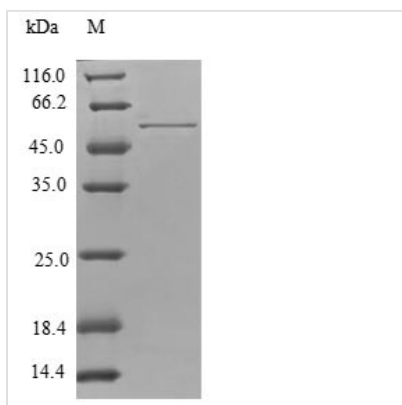




Recombinant Human Tropomyosin alpha-4 chain (TPM4)

Product Code	CSB-EP024108HU
Relevance	Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments. Binds calcium.
Abbreviation	Recombinant Human TPM4 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P67936
Alias	TM30p1 Tropomyosin-4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AGLNSLEAVKRKIQALQQQADEAEDRAQGLQRELDGERERREKAEGDVAALN RRIQLVEEELDRAQERLATALQKLEEAKEKADESERGMKVIENTRAMKDEEKME IQEMQLKEAKHIAEEADRKYEEVARKLVILEGELERAEEAEVSELKCGDLEEE LKNVTNNLKSLEAASEKYSEKEDKYEEEIKLLSDKLKEAETRAEFAERTVAKLE KTIDDL EEKLAQAKEENVGLHQTL DQTLNELNCI
Research Area	Signal Transduction
Source	E.coli
Target Names	TPM4
Protein Names	Recommended name: Tropomyosin alpha-4 chain Alternative name(s): TM30p1 Tropomyosin-4
Expression Region	1-248aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	55.4kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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