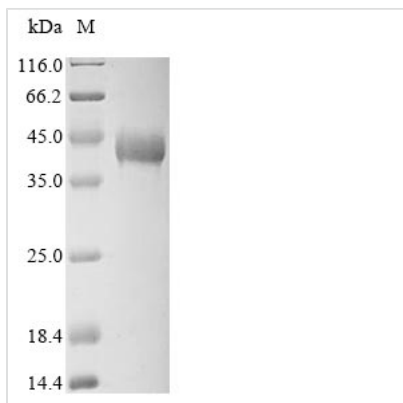


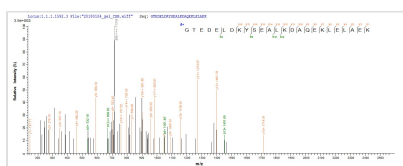


# Recombinant Rabbit Tropomyosin alpha-1 chain (TPM1)

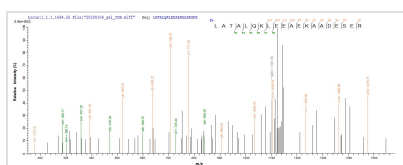
<b>Product Code</b>	CSB-EP024104RB
<b>Relevance</b>	Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.
<b>Abbreviation</b>	Recombinant Rabbit TPM1 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P58772
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Oryctolagus cuniculus (Rabbit)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MDAIKKKMQMLKLDKENALDRAEQAEADKKAEDRSKQLEDELVSLQKKLKG TEDELDKYSEALKDAQEKLELAEKKATDAEADVASLNRRIQLVEEELDRAQERL ATALQKLEEAEKAADESERGMKVIESRAQKDEEKMEIQEIQLKEAKHIAEDADR KYEEVARKLVIIESDLERAEEAELSEGKCAELEEEELKTVTNNLKSLEAQAKEY SQKEDKYEEEIKVLSDKLKEAETRAEFAERSVTKLEKSIDDLEDELYAQKLKYK AISEELDHALNDMTSI
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	TPM1
<b>Protein Names</b>	Alpha-tropomyosin Tropomyosin-1 TPMA
<b>Expression Region</b>	1-284aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	37.7 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP024104RB could indicate that this peptide derived from E.coli-expressed *Oryctolagus cuniculus* (Rabbit) TPM1.



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### 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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