

Datasheet for ABIN1095783

## TPM2 Protein (AA 14-284, partial) (His tag)



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### 1 Image

#### Overview

Quantity:	100 µg
Target:	TPM2
Protein Characteristics:	AA 14-284, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPM2 protein is labelled with His tag.
Application:	ELISA

#### Product Details

Sequence:	<p>DKENAIIDRAE QAEADKKQAE DRCKQLEEEQ QALQKKLKGT EDEVEKYSES VKEAQEKLEQ</p> <p>AEKKATDAEA DVASLNRIQ LVEEELDRAQ ERLATALQKL EEAEEKADES ERGMKVIENR</p> <p>AMKDEEKMEL QEMQLKEAKH IAEDSDRKYE EVARKLVILE GELERSEERA EVAESKCGDL</p> <p>EEELKIVTNN LKSLEAQADK YSTKEDKYEE EIKLLEEKLK EAETRAEFAE RSVAKLEKTI</p> <p>DDLEDEVYAQ KMKYKAISEE LDNALNDITS L</p>
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

#### Target Details

Target:	TPM2
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## Target Details

Alternative Name:	Tropomyosin beta chain protein ( <a href="#">TPM2 Products</a> )
Background:	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. The non-muscle isoform may have a role in agonist-mediated receptor internalization By similarity.
Molecular Weight:	35.4 kD
UniProt:	<a href="#">P07951</a>

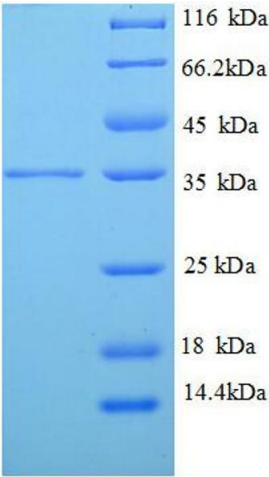
## Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
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Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C



SDS-PAGE

**Image 1.** Tropomyosin-2 (TPM2) (AA 14-284), (partial) protein (His tag)