

OriGene Technologies, Inc.

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## **OriGene Technologies GmbH**

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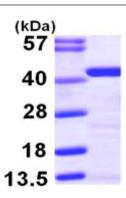
| AR09813PU-S      | Human Tropomyosin-2 (TPM2) (1-284, His-tag) - Purified   |
|------------------|--|
| Alternate names: | Beta-tropomyosin, Tropomyosin beta chain   |
| Quantity:        | 10 µg  |
| Concentration:   | 0.5 mg/ml (determined by Bradford assay)   |
| Background:      | Tropomyosin beta chain isoform 2, also known as TPM2, is a member of the actin<br>filament binding protein family which mainly expressed in slow, type 1 muscle fibers.<br>Mutations in this gene can alter the expression of other sarcomeric tropomyosin<br>proteins, and cause cap disease, nemaline myopathy and distal arthrogryposis<br>syndromes.   |
| Uniprot ID:      | <u>P07951</u>  |
| NCBI:            | <u>NP_003280</u>   |
| GenelD:          | <u>7169</u>  |
| Species:         | Human  |
| Source:          | E. coli  |
| Format:          | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >90%<br><b>Buffer System:</b> 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol,<br>100mM NaCl  |
| Description:     | Recombinant human TPM2 protein, fused to His-tag at N-terminus, was expressed in<br>E.coli and purified by using conventional chromatography techniques.<br><b>AA Sequence:</b><br><u>MGSSHHHHHH SSGLVPRGSH</u> MDAIKKKMQM LKLDKENAID RAEQAEADKK QAEDRCKQLE<br>EEQQALQKKL KGTEDEVEKY SESVKEAQEK LEQAEKKATD AEADVASLNR RIQLVEEELD<br>RAQERLATAL QKLEEAEKAA DESERGMKVI ENRAMKDEEK MELQEMQLKE AKHIAEDSDR<br>KYEEVARKLV ILEGELERSE ERAEVAESRA RQLEEELRTM DQALKSLMAS EEEYSTKEDK<br>YEEEIKLLEE KLKEAETRAE FAERSVAKLE KTIDDLEETL ASAKEENVEI HQTLDQTLLE LNNL<br><b>Molecular weight:</b> 35.1 kDa (304aa) confirmed by MALDI-TOF (molecular weight on<br>SDS-PAGE will appear higher). |
| Storage:         | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for<br>longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

MP/20130116

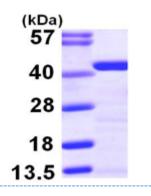


**Pictures:** 



15% SDS-PAGE (3ug)

Recombinant human TPM2, 1-284 aa, Histagged



15% SDS-PAGE (3ug)

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