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Product datasheet for RC219648

Tropomyosin 2 (TPM2) (NM_003289) Human Tagged ORF Clone

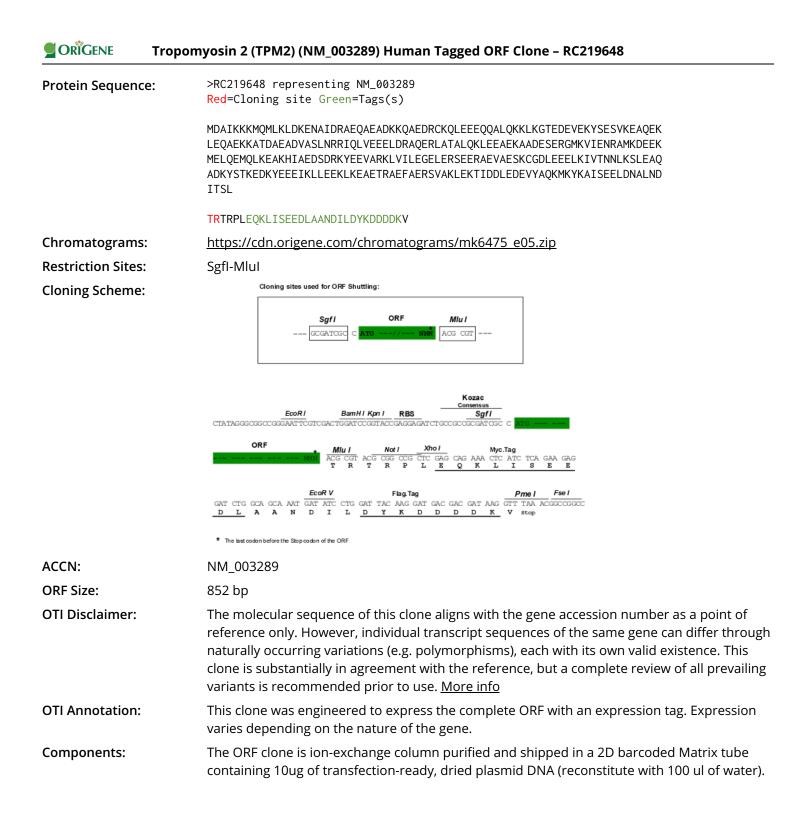
Product data:

Product Type:	Expression Plasmids
Product Name:	Tropomyosin 2 (TPM2) (NM_003289) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tropomyosin 2
Synonyms:	AMCD1; DA1; DA2B; DA2B4; HEL-S-273; NEM4; TMSB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC219648 representing NM_003289 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



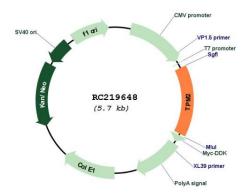
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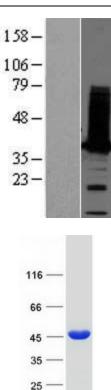
CRIGENE Tropomyosin 2 (TPM2) (NM_003289) Human Tagged ORF Clone – RC219648	
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 003289.4</u>
RefSeq Size:	1327 bp
RefSeq ORF:	855 bp
Locus ID:	7169
UniProt ID:	<u>P07951</u>
Cytogenetics:	9p13.3
Domains:	Tropomyosin
Protein Pathways:	Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)
MW:	32.7 kDa
Gene Summary:	This gene encodes beta-tropomyosin, a member of the actin filament binding protein family, and mainly expressed in slow, type 1 muscle fibers. Mutations in this gene can alter the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal arthrogryposis syndromes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]

Product images:

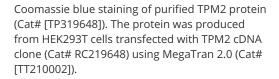


Circular map for RC219648

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18 -14 Western blot validation of overexpression lysate (Cat# [LY418786]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219648 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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