

Product datasheet for RC201133

TPM4 (NM_003290) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

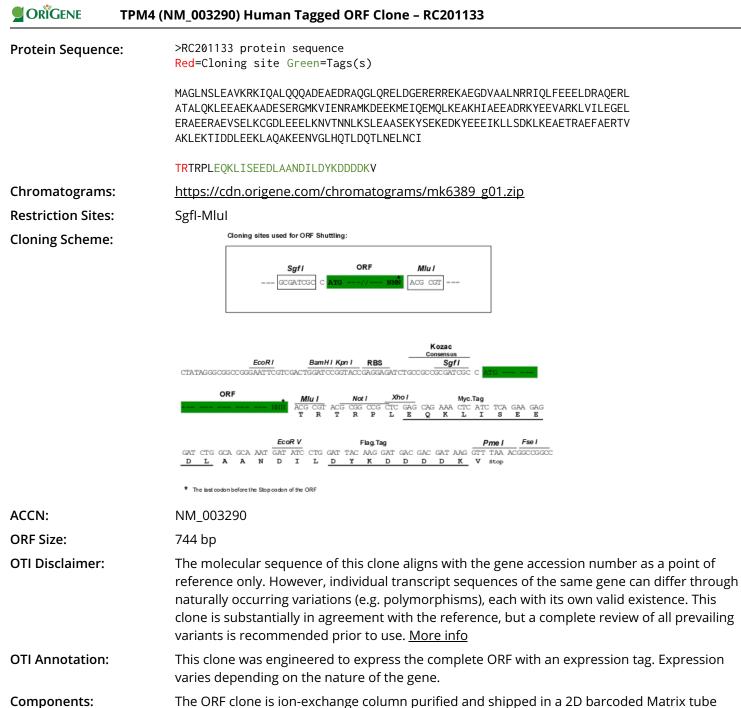
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Product Type:	Expression Plasmids
Product Name:	TPM4 (NM_003290) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TPM4
Synonyms:	HEL-S-108
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC201133 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



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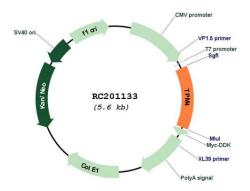
containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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DRIGENE TPM4 (NM_003290) Human Tagged ORF Clone - RC201133

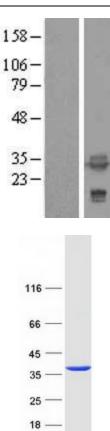
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM 003290.3</u>
RefSeq Size:	2645 bp
RefSeq ORF:	747 bp
Locus ID:	7171
UniProt ID:	<u>P67936</u>
Cytogenetics:	19p13.12-p13.11
Domains:	Tropomyosin
Protein Pathways:	Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)
MW:	28.6 kDa
Gene Summary:	This gene encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. In muscle cells, they regulate muscle contraction by controlling the binding of myosin heads to the actin filament. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2009]

Product images:



Circular map for RC201133

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Western blot validation of overexpression lysate (Cat# [LY418787]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201133 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified TPM4 protein (Cat# [TP301133]). The protein was produced from HEK293T cells transfected with TPM4 cDNA clone (Cat# RC201133) using MegaTran 2.0 (Cat# [TT210002]).

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