

Product datasheet for RC218573

TMSB4Y (NM_004202) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	TMSB4Y (NM_004202) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMSB4Y
Synonyms:	TB4Y
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC218573 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTCTGACAAACCTGGTATGGCTGAGATCGAGAAATTCGATAAGTCGAAACTGAAGAAGACAGAAACGC AAGAGAAGAATCCATTGTCTTCCAAAGAAACTATCGAACAGGAGAGGCAAGCAGGCGAATCT
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC218573 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MSDKPGMAEIEKFDKSKLKKTETQEKNPLSSKETIEQERQAGES
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6442_a07.zip
Restriction Sites:	Sgfl-Mlul



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Cloning Scheme:



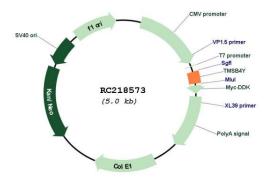
* The last codon before the Stop codon of the ORF

ACCN:	NM_004202
ORF Size:	132 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
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 004202.3</u>
RefSeq Size:	1702 bp

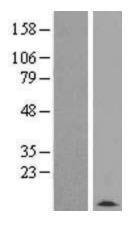
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	TMSB4Y (NM_004202) Human Tagged ORF Clone – RC218573
RefSeq ORF:	135 bp
Locus ID:	9087
UniProt ID:	<u>014604</u>
Cytogenetics:	Yq11.221
Protein Families:	Stem cell - Pluripotency
Protein Pathways	Regulation of actin cytoskeleton
MW:	5 kDa
Gene Summary:	This gene lies within the male specific region of chromosome Y. Its homolog on chromosome X escapes X inactivation and encodes an actin sequestering protein. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC218573



Western blot validation of overexpression lysate (Cat# [LY418148]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218573 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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