

Product datasheet for **RR217513**

Trpm5 (NM_001191896) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trpm5 (NM_001191896) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Trpm5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217513 representing NM_001191896
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCCGATGGCCAGAGCTCTTGTCTGGAAGCCCCCAGATACTGGGGATGGATGGGAGCCAGTCTAT
 GCAAGGGAGAGGTCACCTTCGGAGGGTCTGGGAAAAAGCGAAGCAAGTTGTGAAGTGCCAAGCAATGT
 GGCCCCCTCCATGCTCTTTGAACCTCTGCTCACCAGTGGCACCTGCCAGCCCCAACCTGGTGGTGTCC
 CTGGTGGGCGAGGAACGGCTTTTGTCTATGAAGTCTGGCTTCGGGATGTCTTGCACAAGGGGCTGGTGA
 AAGCAGCTCAGAGCACAGGTGCCTGGATCCTGACCAGTGCCTCCATGTGGGCCTGGCACGCCATGTTGG
 ACAGGCTGTACGTGATCACTCTCTGGTACGACGTCCACCAAGGTCGGTGTGGTGGCCATCGGAATGGCC
 TCTCTGGACCGAATCCTTCACCGCAACTCTAGATGGTGTCCAGGAGGATACTCCCATCCACTACCCAG
 CAGATGAGGGCAGCACTCAGGGACCCCTCTGCCCTCTGGACAGCAATCTCTCCACTTCATCCTCGTGA
 GCCAGGCACCCTTGGGAGTGGGAACGACGGACTGGCAGAGCTGCAGCTGAGCCTGGAGAAGCACATCTCT
 CAGCAGAGGACAGGTTATGGGGTACCAGCAGCATCCAGATACCTGTCTTTGCTTAGTCAATGGTG
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 TGGGGGATTGCTGATGTACTCGCTGCCCTGGTGGGCCAGCCTCATCTCTGGTGGCCAGGTGACCGAG
 AAGCAGTTCAGAGAGAAATCCCAAGCGAGTGTCTCTTGGGAAGCCATTGTACTGACAGAGCTGC
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 CATGGAGGGACCTGTTCTTTGGGCTGTGCTGCAGAACCCTTATGAGATGGCCACATACTTCTGGGCCAT
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GAGGCAGAGGTGGCCCGCACTATGCGTGAGGCCAAGTATGAGCAGCTGGCCCTCGATCTTTTCTCAGAGT
 GCTACAGCAACAGTGAGGACCGTGCCTTTGCCCTGTTGGTGCGCAGGAACCACAGCTGGAGCAGGACCAC
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 TACCTGCAGATCTTTGGGCAAATCCCTCTGGATGAAATGATGAGCCCGTGTGAACTGCTCTTACC
 CGTTGCTGCTGGACAGCTCAGCTTCTGCCCTAATCTCTATGCCAACTGGCTGGTCACTTCTCTGCTGGT
 TACCTTCTCTCGTCACTAATGTGCTACTTATGAACCTTCTGATCGCCATGTTCACTACACATCCAG
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 GGAAGCCAGCACAAACAGCAACACCTGGAGAGAGACTGCTGACCCCGTGGACCAGAAGATCATTACC
 TGGGAAACAGTTCAAAGGAGAAGTCTCTGAGTACCATGGAGAAACCGAGGAGGGACAGTGGAGGAGG
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 GAGGATCAAGTGTCTGGAGTACAGGCCAAGTACTGTATGCTCCTTGTCTCCATGACTGACACACTG
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 GGGAGTACCTAGAGGCTGGCTTCCACACTCAGACACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217513 representing NM_001191896
 Red=Cloning site Green=Tags(s)

MPMAQSSCPGSPDGDGWEVPLCKGEVNFGGSGKKRSKFKVPSNVAPSMLFELLLTEWHL PAPNLVVS
 LVGEERLFAMKSWLRDVLKGLVKAAQSTGAWILTSALHVGLARHVQAVRDHSLASTSTKVRVVAIGMA
 SLDRILHRQLLDGVQEDTPIHYPADEGSTQGPLCPLDSNL SHF ILVEPGTLGSGNDGLAELQLSLEKHIS
 QQRRTGYGGTSSIQIPVLCLLVNGDPSTLERSRAVEQAAPWILLAGSGGIADVL AALVGQPHLLVPQVTE
 KQFREKFPSECFWEAIVHWTELLQNI AAHPHLLTVYDFEQEGSEDLDTVILKALVKACKSHSRDAQDYL
 DELKLAVAWDRVDIAKSEIFNGDVEWKSCDLEEVMTDALVSNKPDFVRLFVDSGADMAEFLTYGRLQQLY
 HSVSPKSLFELLERKHEEGRLTLAAGLAQQTREL PVGLPAFSLHEVSRVLDKDFLHDACRGFYQDGRRME
 ERGPPKRPAGQKWL PDL SRKSEDPWRDLFLWAVLQNR YEMATYFWAMGREGVAAAAL AACKI IKEMSHLEK
 EAEVARTMREAKYQLALDLFSECYSNSEDRAFLALLVRRNHWSRRTTCLHLATEADAKAFFAHDGVQAF
 TKIWWGDMATGTPILRLLGAFTCPALIYTNLISFSEDAPQRMDLEDLQEPDSL DMEKSFLCSHGQLEKL
 TEAPRAPGDLGPQAFLTRWRKFWGAPVTVFLGNVVMYFAFLFLFSYVLLVDFRPPPPQGPSGSEVTLYF
 WVFTLVLEEIRQFFTNEDTRLVKKFTLVYEDNWNKCDMVAIFLIVGVTCRMVPSVFEAGRTVLAIDFM
 VFTLRLIHIFAIHKQLGPKIIIVERMMKDVFFLFFLSVWL VAYGVTTQALLHPHDGRLEWIFRRVLYRP
 YLQIFGQIPLDEIDEARVNC SLHPLLLDSSASCPNL YANWL VILLVTFLLVTNVLLMNLIIAMFSYTFQ
 VYQGNADMFWKFRYHLIVEYHGRPALAPPFILLSHLSLVLKQVFRKEAQHKQHLERLDPDPVDQKIIT
 WETVQKENFLSTMEKRRRDSEEEVLRKTAHRVDLIAKYIGGLREQEKRKICLESQANYCMLLLSSMTDTL
 APGGTYSSSQNCGRRSQPASARDREYLEAGLPHSDT

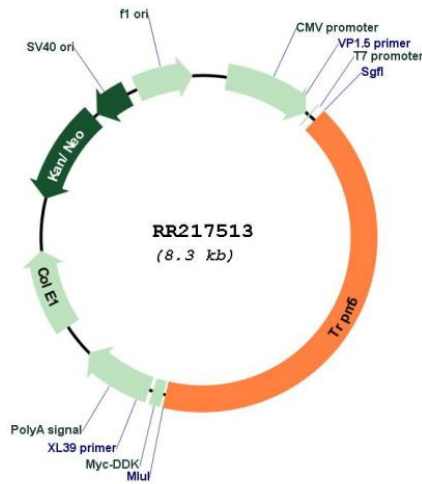
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191896

ORF Size: 3468 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. [More info](#)

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:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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_001191896.1, NP_001178825.1</u>
RefSeq Size:	3471 bp
RefSeq ORF:	3471 bp
Locus ID:	365391
Cytogenetics:	1q42
MW:	130.6 kDa