

Product datasheet for MR225062

Trpm3 (NM_001035242) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpm3 (NM_001035242) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trpm3
Synonyms:	6330504P12Rik; 9330180E14; AU018608; B930001P07Rik; LTRPC3; MLSN2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR225062 representing NM_001035242 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAGAAGTGGAGGGATGCGGGCAGCTGGAGAGAGTTGCTCTGACCGCAGGACAGCGCAGAGA
GCCGCAGGCGCAGCCGCAGCGCCAGCCGGGCAGGTTTGGCCGAGTCGTGAAAAGGTTAAGTTCCAAGCA
GGGGTCCACCAAGCGCTCGGGACTGCCGGCACAGCAGACACCGGCTCAGAAATCCTGGATTGAAAGAGCA
TTTTATAAAGAGAATGTGTTACATCATACCGAGCACCAAGACCCCATAGGTGTTGCTGGAGCACC
TCATAGGCCAGCATGTTGGACTCACTCCAGTATCTCTGTGCTTCAAGTATGAGAAAAATGAGAGTCGCCT
CTCCCGAAATGACATCCAGTCTGAGAAGTGGTCTATCAGCAAACACACTCAGCTCAGCCCAACAGACGCT
TTTGGGACCATTGAGTTCCAAGGAGGTGGCCATCCAACAAGCTATGTATGTCCGAGTATCTTTTGATA
CGAAACCTGATCTCTTGCTACACCTGATGACCAAGGAATGGCAACTGGAGCTTCCCAAATCTCATCTC
CGTGCACGGAGGGCTGCAGAACTTTGAAGTCCAGCCAACTCAAGCAAGTCTTCGGGAAGGGGCTCATC
AAAGCAGCCATGACAACCTGGAGCCTGGATCTTCACTGGAGGGTCAACACAGGTGTCATTGCTCATGTTG
GAGATGCCTTGAAGACCATGCATCTAAGTCTCGAGGGAAGATATGTACCATAGGTATCGCCCCCTGGGG
AATTGTGAAAACCAGGAAGACCTGATTGGAAGAGATGTAGTCCGACCATACCAGACCATGTCCAATCCT
ATGAGCAAGCTCACCGTTCTCAATAGCATGCACTCCCACTTCATCCTGGCTGACAATGGGACCACGGGGA
AATACGGAGCAGAGGTGAAACTCCGCAGACAACGGAAAAGCACATTTCACTCCAGAAGATAAACACAAG
AATCGGTCAAGGGTTCCAGTGGTGGCTCTCATCGTGAAGGAGGACCAATGTGATCTCAATTGTTTTG
GAATACCTTCGAGACACCCCTCCTGTACCAGTCGTGGTCTGTGATGGGAGTGGACGGGCATCCGACATCC
TGGCATTGGGCATAAATATTCAGAAGAAGCGGACTTATCAATGAATCTTTGAGGGACCAGCTGTTGGT
GACAATACAGAAGACCTTACGTACACTCGAACCAAGCTCAGCACCTGTTTCATCATCCTCATGGAATGC
ATGAAGAAGAAGAACTGATCACAGTGTTCGAATGGGGTCAAGGCCACCAGGACATTGATTTAGCTA
TCCTGACAGCATTACTCAAAGGTGCCAATGCATCCGCCCCAGACCAACTGAGCTTAGCTTTAGCCTGGAA
CAGAGTTGACATCGCTCGCAGCCAGATCTTTATTTACGGGCAGCAGTGGCCGGTAGGGTCCCTGGAGCAA
GCCATGCTGGATGCCCTAGTCTGGACAGAGTGGATTTGTGAAATTAATCATAGAAAATGGAGTAAAGCA



[View online »](#)

TGCACCGTTTTCTCACCATCTCCAGACTAGAGGAAGTGTACAATACGAGACATGGGCCCTCAAATACATT
 GTACCACTTGGTCAGGGATGTCAAAAAGGGAAACCTGCCCCGGACTACAGAATCAGCCTGATAGACATT
 GGCCTGGTGATCGAGTACCTGATGGGCGGGGCTTACCGCTGCAACTACACGCGCAAGCGCTTTCGGACCC
 TCTACCACAATCTCTTTGGCCCCAAAAGGCCAAAAGCCTTGAAGCTGCTGGGAATGGAGGATGATATTCC
 CTTGAGGAGAGGACGGAAGACAATAAGAAGCGTGAGGAAGAGGTGGACATCGACTTGGATGATCCTGAG
 ATCAACCACTTTCATTCCTTCCATGAGCTGATGGTGTGGCCGCTCATGAAGAGACAAAAGATGG
 CCCTGTTCTTCTGGCAACACGGAGAGGAGGCCATGGCCAAAGCCCTGGTGGCCTGCAAGCTGCAAGGC
 CATGGCTCACGAGGCTTCTGAGAATGACATGGTCGATGACATTTCCAGGAGCTGAACCACAACCTCAGG
 GACTTTGGCCAGCTGGCTGTGGAGCTCCTGACCAGTCTACAAAACAGGATGAGCAGCTGGCCATGAAGC
 TGCTGACGTATGAGCTGAAGAACTGGAGTAATGCCACATGCCTGCAGCTGGCTGTGGCTGCCAAGCACCG
 TGACTTCATTGCACACACGTGCAGCCAGATGTTACTTACTGACATGTGGATGGGACGGCTCCGGATGAGA
 AAGAACTCAGGCCTCAAGGTAATCTGGGAATTCTACTTCTCCTCAATTCTCAGCTTGGAGTTCAAGA
 ACAAGATGACATGCCCTATATGACTCAGGCCAGGAGATTCATCTCAAGAGAAGGAGCCGGAGGAGCC
 AGAGAAGCCACAAGGAAAAAGATGAAGAGGACATGGAGCTAACAGCAATGTTGGGGCGAAGCAATGGG
 GAATCATCCGAAAGAAAGATGAAGAAGAAGTTCAAAGCAGGCACCGCTAATCCCGTGGGCCGAAAAA
 TCTATGAGTTCTACAACGCACCCATCGTGAAGTCTGGTCTACACTCTGGCGTATATTGGATACCTGAT
 GCTCTTCAACTACATCGTGTAGTGAAGATGGAGCGCTGGCCTTCCACTCAGGAATGGATTGTCATCTCC
 TACATTTTCACTCTGGGAATAGAGAAGATGAGAGAGATCCTGATGTGCGAGCCGGCAAGCTGCTGCAGA
 AGGTGAAGGTGTGGCTTCAAGGACTGGAACGTCACAGACCTCATCGCCATCCTTCTCTTCTCGGTGGG
 AATGATCCTTCGCTTCAAGATCAGCCCTTCAAGAGTGACGGGAGGGTCACTACTGTGTGAACATCATT
 TATTGGTATATCCGTTTGGCTGGACATCTCGGCGTGAACAAGTATCTGGGCCATATGTGATGATGATTG
 GAAAAATGATGATAGACATGATGTACTTTGTATCATTATGCTGGTGGTGTGCTGATGAGCTTTGGGTCG
 CAGGCAAGCCATTCTCTTCCCAATGAGGAGCCATCTTGGAACTGGCCAAAGAATATCTTACATGCCT
 TATTGGATGATTATGGGGAAGTGTGGCTGACCAGATAGACCCTCCCTGTGGACAGAATGAGACCCGAG
 AGGATGGCAAGACAATCCAGCTGCCCCATGCAAGACAGGAGCATGGATTGTCCCGGCCATCATGGCCTG
 CTACCTCTTGGTGGCGAACATCCTTCTGGTCAACCTCCTATTGCCGTCTTCAACAATACATTTTTTGAG
 GTCAAGTCGATATCCAACCAAGTATGGAATTTCAAGGTACCAGCTCATCATGACTTTCACGAGAGGC
 CGGTTCTGCCCCACCGCTCATCATCTTCAAGTACATGACCATGATCTTCCAGCATGTGTGCTGCCGGTG
 GAGGAAGCATGAGAGTGACCAGGACGAAAGGGACTACGGCCTGAAACTCTTCAACTGACGATGAGCTC
 AAGAAAGTACACGATTTTGAAGAGCAGTGCATAGAGGAATATTTCCGAGAGAAGGATGATCGTTCAATT
 CGTCCAACGATGAGAGGATACGTGTTACATCAGAAAGGGTGGAGAACATGTCCATGAGGCTGGAGGAAGT
 TAATGAGAGAGAACATCCATGAAGGCTTCACTCCAGACCGTGGACATCCGGCTAGCACAGCTAGAGGAC
 CTCATCGGGCGCATGGCCACCGCCTGGAGCGCCTGACTGGTCTGGAGCGGGCAGAGTCTAACAAAATCC
 GCTCAAGGACCTCCTCAGACTGCACAGATGCAGCCTACATCGTCCGCCAGAGCAGCTTCAACAGCCAGGA
 AGGGAACACCTTCAAACCTCAAGAGAGTATAGACCCTGCAGGTGAGGAGACCATATCCCCAATTCTCCA
 ACCTTAATGCCCGTATGCGAAGCCATTCTTCTATTCACTCAATGTGAAAGACAAGGTGGGATAGAAA
 AGTTGGAAAGCATTTTCAAAGAAAGTCCCTGAGCTTACACCGAGCTACTAGCTCCCACTCAGTAGCCAA
 AGAACCCAAAGCTCCTGCAGCCCTGCAAAACACCTTGGCCATTGTTCTGACTCCAGAAGACCATCATCT
 TGCATAGACATCTATGTCTCTGCCATGGACGAGCTCCACTGTGATATAGAGCCTTGATAATTCATGA
 ACATCCTTGGGCTGGGTGAGCCAAAGCTTTTCAAGTCTAGCACCTTCCACAACCCCGTCAAGTAGTGCTA
 TGCAACGCTCGCACCTACAGACCACCTCCAGTAGGAGCATTGATTTTGAAGACCTCACCTCCATGGAC
 ACTAGATCTTTTTCTTCAAGACTATACACCTCCAGAATGCCAAAACCCCTGGGACACAGACCCTCCAA
 CGTACCATACCATCGAGCGTTCCAAGAGTAGCCGCTACCTAGCCACCACGCCCTTCTTCTGGAAGAGGC
 TCCCATTTGAAAAATCCCATAGCTTTATGTTTTCTCTTCAAGGAGCTACTACGCCAATTGGGGTGCC
 GTGAAAACGGCAGAATACACAAGTATTACAGACTGTATCGACACAAGATGTGCAATGCCCCCAAGCAA
 TAGCTGACCGAGCCACCTTCCCTGGAGGTCTCGGAGACAAAGTGAAGATTTATCTTGTGCCACCCTGA
 GCGAGAAGCAGAGCTGAGCCATCTAGCTGACAGTGAAGAAAATGAGGCCAGAGGCCAGAGAGCTGCC
 AATCCGATATCCTCTCAGGAGGCTGAAAATGCAGACAGAACCCTATCCAACAACATCACAGTTCCCAAGA
 TAGAGCGCGCAACAGCTACTCAGCAGAGGAGCCAAACGTGCCATATGCACATACCAGAAAGAGCTTCTC
 CATCAGTGACAAGCTTGTATAGACAGAGGAACACGGCGAGCCTCCGAAATCCCTTCCAGAGAAGTAAGTCC
 TCCAAGCCGGAGGGCCGAGGGGACAGCCTATCCATGAGGAGACTGTCTAGAACATCGGCCTTTCATAGCT
 TTGAAAGCAAGCACAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225062 representing NM_001035242
Red=Cloning site Green=Tags(s)

MGKKWRDAGELERGCSDREDSAE SRRRSRSASRGRFAESWKRLSSKQGSTKRSGLPAQQTPAQKSWIERA
FYKREC VHIIPSTKDPHRCCGR LIGQHVLTPSISVLQNEKNESRLSRNDIQSEKWSISKHTQLSPTDA
FGTIEFQGGGHSNKAMYVRVSFDTKPDL LHLMTKEWQLELPKLLISVHGGLQNFELQPKLKQVFGKGLI
KAAMTTGAWIFTGGVNTGVI RHVGDAL KDHASKSRGKI CTIGIAPWGI VEQEDLIGRDVVRPYQ TMSNP
MSKLTVLNSMHSFILADNGTTGKYGA EVKLRRLQLEKHISLQKINTRIGQGVPVVALIVEGGPNVISIVL
EYLRDTPPVVVC DGSGRASDILAFGHKYSEEG LINESLRDQLLVTIQKTFYTRTQAQHLFIILMEC
MKKKELITVFRMGSEGHQDIDLAILTALLKGANASAPDQLSLALAWN RVDIARSQIF IYGGQWPVGSLEQ
AMLDALVLD RVDVFKLLIENGVS MHRFLTISRLEELYNTRHGPSNTLYHLVRDVKKGNLPPDYRISLIDI
GLVIEYLMGGAYRCNYTRKFRFRTLYHNLFGPKRPKALKLLGMEDDIPLRRGRKTTKKREEVDIDLDDPE
INHFPFFHELMVWAVLMKRQKMA LFFWQHGE EAMAKALVACKLCKAMAHEASENDMVD DISQELNHNSR
DFGQLAVELLDQSYKQDEQLAMKLLTYELKNWSNATCLQLAVAAKHRDFIAHTCSQMLL TDMWMGR LMR
KNSGLKVLIGILLPPSILSLEFKNKDDMPYMTQAQE IHLQEKEPEEPEKPTKEKDEEDMELTAM LGRSNG
ESSRKKDEEEVQSRHRLIPVGRKIYEFYNAPIVKFWFYTLAYIGYLMFN YIVLVKMERWPSTQEWIVIS
YIFTLGIEKMREILMSEPGKLLQKV KVLQYEWNVTDLIAILLFSVGMILRLQDQPF RSDGRVIYCVNII
YWYIRLLDIFGVNKYLG PYYMMIGKMMIDMMYFVIIMLVVLSFGVARQAILFPNEEPSWKLAKNIF YMP
YWMIYGEVFADQIDPPCGQNETREDGKTIQLPPCKTGAWIVPAIMACYLLVANILLVNL IAVFNNTFFE
YKISISNQVWKFQRYQLIMTFHERPVLPPPLIIFSHMTMIFQHVCCRWRKHESDQDERDYGLKLFITDDEL
KKVHDFEEQCIEEYFREKDDRFNSSNDERIRVTSERVENMSMRLEEVNEREHSMKASLQTVDIRLAQLED
LIGRMATALERLTGLERAESNKIRSRTSSDCTDAAYIVRQSSFN SQEGNTFKLQESIDPAGEETISPTSP
TLMPRMRSHSFYSVNVKDKGGIEKLESIFKERSLSLHRATSSHSVAKEPKAPAAPANTLAI VPD SRRPSS
CIDIYVSAMDELHCDIEPLDNSMNILGLGEP SFSALAPSTTPSSSAYATLAPTDRPPSRSIDFEDL TSM
TRSFSSDYTHLPECQNPWTD PPTYHTIERSKSSRYLATT PFLLEEAPIVKS HSFMFSPSRSYANFGVP
VKTAEYTSITDCIDTRCVNAPQAIADRATFP GGLGDKVEDLSCCHPEREAEL SHPSSDSEENEARGQRAA
NPISSEAEANADRTL SNNITVPKIERANSYSAE EPNVPIAHTRKSF SISKLDRQRNTASLRNPFQRSKS
SKPEGRGDSL SMRRLSRTSAFHSFESKH N

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

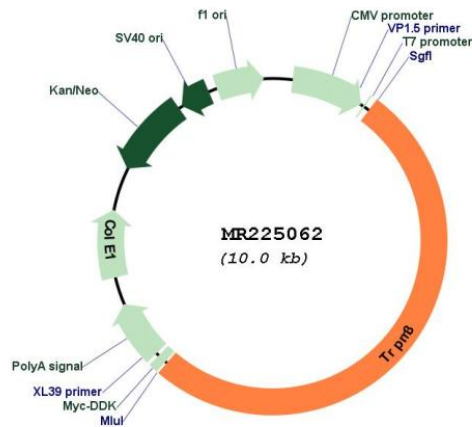
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001035242

ORF Size: 5127 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:

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: [NM_001035242.2](#)

RefSeq Size: 6706 bp

RefSeq ORF: 5130 bp

Locus ID: 226025

Cytogenetics: 19 B

MW: 195.2 kDa