

Product datasheet for **MC200422**

Wars (NM_011710) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wars (NM_011710) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wars
Synonyms:	TrpRS; WRS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:	>BC003450 sequence for NM_011710 GCTGTCCAGCTTGAGCACCCCTGGACTACACAGCCAGGAGTCCTGTCTCAACTGCTGAACACACTACTCA CAAGCCAGCTGCAGGCCTAGGTCCTAGAAGATGGCAGACATGCCAGTGGCGAGTCTGCACCTCTCCAC TGGAGCTGTTCAACAGCATAGCTACTCAAGGGGAGCTCGTGAGGTCCTCAAAGCTGGAAATGCACAAA AGATGAGATTGATTCTGCAGTAAAGATGTTGTTATCATTAAAAGTGAGCTATAAGCCGCCATGGGGGAG GAGTACAAGGCTGGCTGCCCTCCTGGGAACCAACAGCTGGGAGAAATTGTGACTCTGATGCCACAAAAG CCAGCCGAGGATTTGTGGATCCATGGACAGTGGGACAAGCAGTGCAAAAGGCATCGACTATGACAAGCT CATTGTTCAAGTTTGGAAAGCAGCAAAATTGACAAAGAGCTGATAAACCGAATAGAGCGAGCCACTGGCCAA AGACCGCACCCGCTTCTGCGCCGGGCATCTTCTCTCCACCGAGATATGAATCAAATTCTGGATGCCCT ATGAAAATAAGAAGCCATTCTACCTGTACACAGGCAGGGGCCCTCCTCCGAAGCAATGCATCTGGGTCA TCTCGTCCCGTTATTTTCAAAAGTGGCTACAGGATGTGTTCAATGTGCCTTTGGTTCATCCAGATGTCT GATGACGAGAAGTACCTGTGGAAGGACTTGACTCTGGAGCAGGCATATAGCTACACCGTAGAAAATGCAA AGGACATCATTGCCTGTGGCTTCGACATCAACAAACTTTCATCTTCTGATCTTGAGTATATGGGGCA GAGCCCGGGCTTCTACAGGAACGTGGTGAAGATTCAGAAGCACGTACCTTCAACCAAGTAAAGGCATT TTCGGCTTTACGGACAGTACTGCATCGGAAGATCAGTTTTCTGCTGTCCAGGCCGCGCCATCGTTCA GCAACTCTTCCAAAGATCTTCCGAGACAGGACAGATATCCAGTGCCTCATCCCGTGTGCCATTGACCA GGATCCGTAATCAGAATGACAAGGGACGTGGCCCCAGGATCGGCCATCCTAAACCTGCCTGTGTCAC TCGACCTTCTCCCTGCCTGCAGGGTGCCTCAGACCAAGATGAGTGCCAGTGACCCCACTCCTCCATCT TCCTCACTGACACGGCCAAGCAGATCAAGAGCAAGGTCAACAAGCATGCATTTTCTGGAGGAAGAGACAC TGTGGAGGAGCACAGGCAGTTTGGGGGCAACTGTGAAGTGGATGTATCCTTCATGTATCTGACCTTCTTC CTTGAAGATGACGACAGGCTGGAGCAGATCAGAAAGGATTACACCAGCGGAGCCATGCTCACTGGGGAGC TCAAGAAGACGCTCATAGACGTCCTTACGCCCTGATCGCAGAGCACCAGGCCGACGCAAGGCGGTGAC CGAGGAGACCGTGAAGGAGTTCATGACGCCCCAGGCAGCTGTCTTCCACTTCCAGTCTTGTGCTTTGAC ACTTGACTGACGGGGAGGGCAGGCCAGAGCAGTGTGCTGGCCATGCCTCAGGCCGTTGACCATAGCTAGA CAGAAAAGAACAGCAGCCGTCCAGGCCGACGCTTCTCCCTCTGGGCGGGCTGCATGGAATGAGCCTCCA CTCAGAGTCTTGAAAAGCAGAAGCCGTACCTCAGGGAAAGCCCTGGTTGAAGTGTCTGTCTCTCTGA AGGCACAAGGGCCACTCTGAGTGTCTGTCTTGCATCATTTTTAGGAAAAACAATAAACTTTGTTGAG CTCCAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_011710
Insert Size:	1446 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC003450 , AAH03450

RefSeq Size: 1838 bp

RefSeq ORF: 1446 bp

Locus ID: 22375

UniProt ID: [P32921](#)

Cytogenetics: 12 F1

Gene Summary: T1-TrpRS has aminoacylation activity while T2-TrpRS lacks it. T1-TrpRS and T2-TrpRS possess angiostatic activity. T2-TrpRS inhibits fluid shear stress-activated responses of endothelial cells. Regulates ERK, Akt, and eNOS activation pathways that are associated with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.