

Product datasheet for **MC211081**

Wars2 (NM_027462) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wars2 (NM_027462) Mouse Untagged Clone
Tag: Tag Free
Symbol: Wars2
Synonyms: 5730427B17Rik; 9430020O07Rik; AI413375; TrpRS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211081 representing NM_027462
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCTGTTCTCTGTGCGGAAGGCCCGTGAGTCTGGCGCTTCATCCGGGCACCTCACAAAGGACCCG
CAGCAACTCTGGCTCCCCAGAAGGAGAGTGGAGAGCGAGTGTCTGGCATTACGCTACAGGAATCCT
CCACCTGGGAAATTACCTTGGAGCCATCGAGAGCTGGGTGAACCTACAGGAGGAATATGACACAGTGATA
TACAGCATCGTGGACCTCACTCCATCACTGTCCCAAGACCCACCGTCTCCAGCAGAGCATCCTGG
ACATGACTGCTGTGCTTCTTGCCTGTGGCATAAACCCAGAGAAAAGTATCCTTTCCAGCAGTCTAAGGT
GTCTGAACACACTCAGTTAAGTTGGATCCTCACCTGCATGGTGGAGACTGCCTCGATTGCAGCATTACAC
CAGTGGAAAGGCAAAGGCTGCGAAGCAGAAGCATGATGGGACCGTAGGCCTGCTCACATACCCTGTACTCC
AGGCAGCAGACATCCTGTGCTACAAGTCCACACACGTTCTGTGCGGGAGGATCAAGTCCAGCACATGGA
ACTAGTTCAGGATCTAGCTCGAAGTTTCAACCAAAAGTATGGGGAGTTCTTTCCATTGCCAAGTCCATT
CTCACATCCATGAAGAAAGTAAATCTCTCGAGACCTTCTTCCAAGATGTCAAAATCGGACCCGACAG
AACTCGCCACTGTTCAATAACAGACAGCCAGAGGAGATTGTACAGAAATTCGCAAGGCTGTGACAGA
CTTCACGTCAGAGGTCACCTACGAGCCGACAGCAGAGCTGGTGTTCACATGGTGGGATCCACGCG
GCCGTGTCGGCCCTCTCGGTGGAGGAGGTGGTGCAGTGCAGCAGGCTTGGACTGCAGCTACAAGC
TGCTAGTGGCCGATGCTGTGATTGAGAAATTTGCTCCAATCAGGAAGGAGATTGAGAAATGAAAATGGA
TAAGGACCACTTAAGAAAGGTTTTACTTGTGGATCTGCAAAAGCCAAAGAATTGGCCTCTCTGTGTTCC
GAGGAGGTGAAGAAGTTGGTGGGATTCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027462



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Insert Size:	1083 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:	<u>NM_027462.4</u> , <u>NP_081738.2</u>
RefSeq Size:	4388 bp
RefSeq ORF:	1083 bp
Locus ID:	70560
UniProt ID:	<u>Q9CYK1</u>
Cytogenetics:	3 F2.2
Gene Summary:	Mitochondrial aminoacyl-tRNA synthetase that activate and transfer the amino acids to their corresponding tRNAs during the translation of mitochondrial genes and protein synthesis. [UniProtKB/Swiss-Prot Function]