

## Product datasheet for **SC216056**

### **WARS2 (NM\_015836) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	WARS2 (NM_015836) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	WARS2
Synonyms:	mtTrpRS; NEMMLAS; TrpRS
ACCN:	NM_015836
Insert Size:	1725 bp



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**Insert Sequence:** >SC216056 3'UTR clone of NM\_015836  
 The sequence shown below is from the reference sequence of NM\_015836. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGGTGAAGAAATTGGTGGGTTTTCTATAGGAAGTTTCAACGAATCACAGCAAGGCTTTTGTGCCTTGC
ACTCCATGCATTCTGATAACGGCAGCTTTCCTAAAAAGAAAAAGTTATAGTTTTGGGACATTTAATTTG
GTATAGCTGATTATTGGCTTTATTTGATGAATATTGCTTTGTAGCTTTGAAATACGACAGTGTCCAAA
TCCCATCAACAAAATGCTGTGAACAACAACAACAAAAATAAATCAAGAAGGCATAGCTGTCTGAATCC
CCAATTATTGAGGCACACTCCTTGGCCTGCAGAAATGTGATTGAAGTAAGGAGTAATTTGGGAAATGGA
GTATCATTTTGTGCTTCTCTGGAGTACTACTGTAACAGATGCACACGTTATCTACTTCAACCCTTTT
ATAAAGCAATATATAGAGGTCTTAGATGTATAATCCTTGAGATGCCATTTGATCAGATGCCAATTTGTA
TTCAGAGCTCATAAAAAACAAGTCCATTCTATAGTTTGTGTTGTCAGTACTGAGACGGTGCCTGATTTAATAT
ATTTAAGCTGCTTAACCTGTTTTCCAAGAGATAACACCAACTGTTCCAGCAATAATTTGTTTTTAAATT
CAGAGATATGGGATATGATCTTCTAAGGAGTTGCATTATTTTGACCTGATTTATTTATTGTACAAGAG
CCCAAGTCCCTGAATTATATTCTTAATAAGTGCTTTCTTGCAATTCAGTTTGTAGTCTCACCAACCC
CCTATGAATTAGGAGAATTATTGTCATTTTACACATGAGGAAAGTGAGGCTGAGAGAATCCAATTAGCT
TGTACGATATCACTCCATAAGAGAAGCAAACTGAGAGTAAAACCTTACCCCTTATTCTTAAGAATAG
TGCTTGTTTATTCAGTACAAAAAATGCTGAAAGGCAGCGTTTTTTAGACTCTAAACATTCTGATTTT
GAAGTGGGTGTTGGAACGACTGATGATGTTTTTATATCATCAATTCAGCCAATGGATGCGAACTTAA
AATCTGGATTCACAGAACCCTGGTCACATTTCCCATCAAAATCCCCAAGCGGGTCCCAAGTTCTCTC
CTCTACGCTCATTGCAGAAATACTTTGAAATAGTTCTGCCAGTCTACAATAGCAGTGAAGACTGACAA
ATCAGATATCCCAATGACTGACAGCTTCTCATCTTGCCTCTACCTCAGTTAAGTAATGTACCCTGAA
ACCTAGCTTTTCTGCACTTCCATTTCTGACACCTGAAAATGAAAATGATAATCCTAACTTATACACCAA
GACCTGTAGCAAGATCGATTTTGTAAACAGAAATTGCTTATAAGTTTTTATCAGTAAGGACCATGATC
ACCATTGTACATACATAACTAGGTTGTTGAGCAAAGCATTTTTGTCTCATGTTTCTTAAGGAAGTAGAG
TAGTCCTGTGTCAGAACACATGTTAATCCACAAAACGCCCATCCAGATTCCAAATTAACATCGT
TTTTAGGATTCTGGAGTAGCCTGGATCATGGGTAAGGAAACATTTTGCCTTTGTATCTTATACTG
GAATGGGATGTCTGTAAGTCTAGAACCTTTTGTGAGCATATTTCTTACAAGCCTCTGTTTTTCCCCTT
TAAAGGAACTTTGAAAGGATTGTGAATACTGGAAAATGACAAAATAAGGTAGATCTATCAAGCCAA
ACGCGTAAAGCGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_015836.4](#)

**Summary:** Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. This gene encodes the mitochondrial tryptophanyl-tRNA synthetase. Two alternative transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

**Locus ID:** 10352

**MW:** 66.4