

## Product datasheet for **SC212344**

### Tryptophanyl tRNA synthetase (WARS) (NM\_004184) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Tryptophanyl tRNA synthetase (WARS) (NM\_004184) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** WARS1  
**Synonyms:** GAMMA-2; HMN9; IFI53; IFP53; WARS  
**ACCN:** NM\_004184  
**Insert Size:** 1115 bp  
**Insert Sequence:** >SC212344 3'UTR clone of NM\_004184  
The sequence shown below is from the reference sequence of NM\_004184. 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
CCCCGGAAGCTGTCCTTCGACTTTCAGTAGCACTCGTTTTACATATGCTTATAAAAGAAGTGATGTATC
AGTAATGTATCAATAATCCCAGCCCAGTCAAAGCACCCACCTGTAGGCTTCTGTCTCATGGTAATTA
CTGGGCCTGGCCTCTGTAAGCCTGTGTATGTTATCAATACTGTTTCTTCCTGTGAGTTCATTATTCT
ATCTCTTATGGGCAAAGCATTGTGGTAATTGGTGTGGCTAACATTGCATGGTCCGATAGAGAAGTCC
AGCTGTGAGTCTCTCCCAAAGCAGCCCCACAGTGGAGCCTTTGGCTGGAAGTCCATGGGCCACCCCTGT
TCTTGTCCATGGAGGACTCCGAGGGTTCCAAGTAACTCTTAAGACCCACTCTGTTAAAAATATATAT
TCTATGTATGCGTATATGGAATTGAAATGTCATTATTGTAACCTAGAAAGTCTTTGAAATATTGATGT
GGGGAGGTTTATTGAGCACAAGATGATTTTCAGCCCATGCCCCCTCCAAAAAGAAATTGATAAGTAAA
AGCTTCGTTATACATTTGACTAAGAAATCACCCAGCTTTAAAGCTGCTTTTAAACAATGAAGATTGAACA
GAGTTCAGCAATTTTATTAAATTAAGACTTGGGGGTGAAACTTTCCAGTTTACTGAACTCCAGACCAT
GCATGTAGTCCACTCCAGAAATCATGCTCGCTTCCCTTGGCACACCAAGTGTCTCCTGCCAATGACCC
TAGACCCTCTGTCTGCAGAGTCAAGGTGGCTTTTCCCCTGACTGTGTCCGATGCCAAGGAGTCTGGC
CTCCGCAGATGCTTCATTTTGACCTTGGCTGCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
CCCTGGACGGGTGGACTTAGCTAGGGAGAAAGTCAAGGAGCAGCCCTCGAGGCCCTCACAGATGTCTA
GGCAGGCCTCATTTATCACGCAGCATGTGCAGGCCTGGAAGAGCAAAGCCAAATCTCAGGGAAGTCTT
TGGTTGATGTATCTGGGTCTCCTCTGGAGCACTTGCCCTCCTGTCAACCCAGTAGAGTAAATAAACTTC
CTTGGCTCCTG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_004184.4</a>
<b>Summary:</b>	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. Tryptophanyl-tRNA synthetase (WARS) catalyzes the aminoacylation of tRNA(trp) with tryptophan and is induced by interferon. Tryptophanyl-tRNA synthetase belongs to the class I tRNA synthetase family. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	7453
<b>MW:</b>	41.7