

Product datasheet for **SC212343**

Tryptophanyl tRNA synthetase (WARS) (NM_173701) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Tryptophanyl tRNA synthetase (WARS) (NM_173701) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: WARS1
Synonyms: GAMMA-2; HMN9; IFI53; IFP53; WARS
ACCN: NM_173701
Insert Size: 1115 bp
Insert Sequence: >SC212343 3'UTR clone of NM_173701
The sequence shown below is from the reference sequence of NM_173701. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
CCCCGGAAGCTGTCCTTCGACTTTCAGTAGCACTCGTTTTACATATGCTTATAAAAGAAGTGATGTATC
AGTAATGTATCAATAATCCCAGCCCAGTCAAAGCACCCACCTGTAGGCTTCTGTCTCATGGTAATTA
CTGGGCCTGGCCTCTGTAAGCCTGTGTATGTTATCAATACTGTTTCTTCCTGTGAGTTCATTATTCT
ATCTCTTATGGGCAAAGCATTGTGGTAATTGGTGTGGCTAACATTGCATGGTCCGATAGAGAAGTCC
AGCTGTGAGTCTCTCCCAAAGCAGCCCCACAGTGGAGCCTTTGGCTGGAAGTCCATGGGCCACCCTGT
TCTTGTCCATGGAGGACTCCGAGGGTTCCAAGTAACTCTTAAGACCCACTCTGTTAAAAATATATAT
TCTATGTATGCGTATATGGAATTGAAATGTCATTATTGTAACCTAGAAAGTCTTTGAAATATTGATGT
GGGGAGGTTTATTGAGCACAAGATGATTTTCAGCCCATGCCCCCTCCAAAAAGAAATTGATAAGTAAA
AGCTTCGTTATACATTTGACTAAGAAATCACCCAGCTTTAAAGCTGCTTTTAAACAATGAAGATTGAACA
GAGTTCAGCAATTTTATTAAATTAAGACTTGGGGGTGAAACTTTCCAGTTTACTGAACTCCAGACCAT
GCATGTAGTCCACTCCAGAAATCATGCTCGCTTCCCTTGGCACACCAAGTGTCTCCTGCCAATGACCC
TAGACCCTCTGTCTGCAGAGTCAAGGTGGCTTTTCCCTGACTGTGTCGGATGCCAAGGAGTCTGGC
CTCCGCAGATGCTTCATTTTGACCCTTGGCTGCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
CCCTGGACGGGTGGACTTAGCTAGGGAGAAAGTCAAGGAGCAGCCCTCGAGGCCCTCACAGATGTCTA
GGCAGGCCTCATTTATCACGCAGCATGTGCAGGCCTGGAAGAGCAAAGCCAAATCTCAGGGAAGTCTT
TGGTTGATGTATCTGGGTCTCCTCTGGAGCACTTGCCCTCCTGTACCCAGTAGAGTAAATAAACTTC
CTTGGCTCCTG
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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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_173701.2
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. 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]
Locus ID:	7453
MW:	41.7