

Product datasheet for **SC209458**

Tyrosyl tRNA synthetase (YARS) (NM_003680) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Tyrosyl tRNA synthetase (YARS) (NM_003680) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	YARS1
Synonyms:	CMTDIC; TYRRS; YARS; YRS; YTS
ACCN:	NM_003680
Insert Size:	772 bp
Insert Sequence:	>SC209458 3'UTR clone of NM_003680 The sequence shown below is from the reference sequence of NM_003680. 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
AAATCGCTGAAAGGGGGAACATTAGCTAGCCAGCCAGCATCTTCCCCCTTCTCCACCACTGAGTC
ATCTGCTGTCTCTTCAGTCTGCTCCATCCATCACCCATTTACCCATCTCTCAGGACACGGAAGCAGCGG
GTTTGGACTCTTTATTCGGTGCAGAACTCGGCAAGGGGCAGTTACCCTCCCAGAACCCAGGATCATC
CTGTCTGGCTGCAGTGAGAGACCAACCCCTAACAGGGCTGGGCCACAGCAGGGAGTCCAGCCCTACCT
TCTTCCCTTGGCAGCTGGAGAAATCTGGTTTCAATATAACTCATTAAAAATTTATGCCACAGTCTTA
TAATTGAAAAATACTGGTGCCAGTTTTCTGGAGTTATCCAAGCAGCTGCGCCCTAGCTGGGATC
TGGTACCTGGACTAGGCTAATTACAGCTTCTCCCCAACAGGAACTGTGGGATTTGAAAAGGAAAGGGA
AGGGAAAACAGAGAACCTAGTGGTCTACCAAGTGGTTGGCAACTTCCCAATGTCTGCTTACTCTGAGG
CTTGGCACTGGGGCCAGGGCTGCCCCAGGGCTCCTGGAATTTCCCTTGATCCAGCTAGGCTGGGACA
CTCCCTAAATCAGCTGCGTGTGTTAGCATCAGGCAGAATGAATGGCAGAGAGTGATTCTGTCTTCATA
GAGGGTGGGGTACTTCTCCATAAGGCATCTCAGTCAAATCCCCATCACTGCATAAATTCAAATAAAAT
GTCTGAACAAGGG
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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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).



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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:	<u>NM_003680.4</u>
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. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine. [provided by RefSeq, Jul 2008]
Locus ID:	8565
MW:	28