

Product datasheet for **MC202144**

Yars (NM_134151) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yars (NM_134151) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Yars
Synonyms:	AL024047; AU018965
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026615 sequence for NM_134151
 CCGAGCGACGAGCTCAGCTGATGCAACCCGACGGGACTAGCGTGACAGTCCC CGGCACGCGGAGACGACG
 GCGAACGAGGAAAGGGCGGGTGCCGGCTGAGCGCGGAAACAGAGACAGCGGAGCCATGGGTGATGCT
 CCAAGCCCTGAGGAGAAGCTGCATCTTATCACCCGAACTGCAGGAGTTCTGGGGGAAGAGAAGCTGA
 AGGAGATCCTGAAGGAGCGGGAACCTTAAAGTTTACTGGGGCACGGCCACCACGGGCAAGCCACACGTGGC
 TTACTTTGTACCCATGTCCAAGATCGCTGACTTCTTGAAGGCAGGGTGTGAGGTAACCATCTGTTTGGC
 GACCTCCATGCATACCTGGACAACATGAAAGCCCCCTGGGAGCTTCTAGAACTTCGAACCACTTACTATG
 AGAATGTGATCAAGGCCATGCTGGAGAGTATTGGCGTGCCCTTGAGAGAAGCTCAAGTTTATCAAAGGCAC
 CCACTACCAGCTCAGCAAAGAGTACACACTGGATGTGTACCGACTGTCCTCTGTGGTCACACAACATGAC
 GCCAAGAAAGCGGGGGCTGAGGTTGTGAAGCAGGTGGAACACCCTTTGCTGAGTGGTCTGCTGTACCCCG
 GTCTGCAGGCTTTGGATGAAGAGTACTTAAAAGTAGACGCCAGTTCGGCGGTGTTGATCAGAGGAAGAT
 TTTTACCTTTGCAGAGAAGTATCTTCTGCACTGGCTACTCAAACGGGTCCACCTGATGAATCCCATG
 GTCCTGGGTTAACTGGGAGCAAATGAGCTCGTCAGAAGAGGAGTCCAAAATCGACCTCCTTGATCGGA
 AGGAGGACGTGAAGAAAAGCTGAAGAAGGCTTCTGTGAGCCCGCAATGTGGAGAACAACGGGGTTCT
 GTCCTTCAAGCATGTCTCTTCCCTCAAGTCTGAGTTTGTGATCCTGAGAGATGAGAAGTGGGGT
 GGAACAAGACCTACACCGTTTACTAGAGCTGGAGAAGGACTTCGCTGCTGAGGTCGTACACCCCTGGAG
 ACCTAAAGAATTCTGTTGAAGTCGCCCTGAACAAGTTGCTGGACCCATTAGAGAGAAGTTAATACTCC
 AGCCCTGAAGAAGCTGGCCAGTGTCTGCCTACCCAGATCCTTCAAAGCAGAAGCCTCCTGCCAAAGGCCCT
 GCCAAGAAGCTCAGAACCAGAGGAAGTATCCCATCCCGGCTGGATATCCGTGTGGGCAAAAATCCTCAGCG
 TGGAGAAGCACCAGATGCAGATAGCCTTATGTGGAGAAGATTGATGTGGGGAAAGCTGAACCCAGGAC
 TGTGGTGAGCGGCTCGTACAGTTTGTGCCAAAGAAGAACTGCAGGACAGGCTGGTGGTGGTGTGTGC
 AATCTGAAACCCAGAAGATGAGAGGCGTGGACTCGCAGGGCATGCTACTGTGTGCTTCTGTAGAAGGGG
 TGAGCCGCCAGGTTGAACCTCTGGACCCTCCTGTGGCTGTCTGCTCCTGGTGAACGAGTGTTCGTACAGGG
 CTATGAGAAGGGCCAGCCAGATGAGGAGCTCAAGCCCAAGAAGAAAGTCTTTGAGAAGCTGCAGGCCGAC
 TTTAAAATTTCTGAGGAGTGCATCGCACAGTGAAGCAAACCAACTTCATGACCAAGCTGGGATTCTGCT
 CCTGTAAATCACTAAAAGGGGTAACATCAGCTAGCCAGCTCTGTGCCCTCCCACCATCCCGTCTGCCGG
 CTCGACTTGTTCGTCTCTACCCGCTCCACCAGGTCTGAACTGCTGACAAGGTGCAGGACTTGGAAAAG
 GGACAGCTCACCTTCTACTGTGTGGGATCACCCAGCCTGGCTGAAAGGAAACGGAGTGCCTGGGCTAAG
 GAGATGCTGCCAGCGGCAGACTGGCCCTACCTTCTTCCCTTGGCAGTGAAGTGTGAGAACTGGTTTCA
 ATAGAACCACAGAAAAAGTTTATCCATGGTCCCTGTAATTGGAAAAACACTGGTTCCCAAGTTTCCAT
 GGGGTTTTCCCTGCAGCTGTACTAGCTGAGATCGAGTGCCTGGTCTGAGTAATTACAGTCTCTCCCGT
 CAGGAAATTTGGGATTTGAAAAGAAGGAAAGAGAGCCTAGAGGTCTCCAAGCTCTCCAGGGCTGGCA
 GCATTCTCCAGGCTTCAAACCTGAGGCTTGGCACCAGAGGCAGGACTTGCCTGGCTCTTGGGGTTC
 CCTTGATCTGGCTAGATTGGACTCCCTAAACAAGCCAGCTGTGTTAGCAGCAGGATGGAGATGGACTG
 AAAGTGTGGAGCTTTCTTCAAGATGTGAGATACTCCATAAAGCATCTCAAGCAAATCCCTAACCGCCACT
 GTCAAGTTCAAATAAAGTGTCTGAAAAGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_134151

Insert Size: 1587 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:

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: [BC026615](#), [AAH26615](#)

RefSeq Size: 2458 bp

RefSeq ORF: 1587 bp

Locus ID: 107271

UniProt ID: [Q91WQ3](#)

Cytogenetics: 4 D2.2

Gene Summary: Catalyzes the attachment of tyrosine to tRNA(Tyr) in a two-step reaction: tyrosine is first activated by ATP to form Tyr-AMP and then transferred to the acceptor end of tRNA(Tyr). [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the protein-coding transcript. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.