

Product datasheet for **MC206121**

Qars (BC079854) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qars (BC079854) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Qars
Synonyms:	1110018N24Rik; 1200016L19Rik; C80286; GLNRS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC079854
 GGTGTGCCTGCTATGGCTACTCCAGATTCGCTAGCGCTGTTACCCGGCCTTGGCCTTAGCGAGAACAAGG
 CCCGCGAGACGCTCAAGAACGAGGCTCTGAGCACTCAGCTGCGCGAGGCGGCGACCCAGGCACACCAGAT
 TCTGGGTTCTACCATCGACAAGGCTACTGGGGTCTCCTATATGACTTGGTCTCCCGACTCAGGGATACT
 CGGCGTCGTTCTTTCCTTGTGAGCTATATAGCCAATAAGAAGATTCACACGGGACTCCAGCTGAGCGCTG
 CTCTTGAATATGTTCCGAGTCAATCCAGGATCCATTGATACCAAGGACTTCGAGCAGGAGTGTGGCGT
 CGGTGTGGTGGTACACCCGGAGCAGATTGAGGAAGCTGTGGAGTCCACCATAAATAGCATCAGTTGCAG
 CTCTAGCGGAACGGTACCGTTTTCAACATGGGGCTGCTAATGGGAGAGGCTCGGGCTGCGCTCAGATGGG
 CAGACGGCAAAATGATCAAGAACGAGGTGGATATGCAGGTGCTTACCTTTTGGGGCCAAAGATGGAAGC
 TGATCTGGTGAAGAAGCCCAAGGTGGCAAAGGCACGGCTGGAAGAAACAGACCGGAAGACAGAAAAGAT
 GTGGTGGAGAAAGGTGAAGTGGCTGGCCAGACCCTGTCTCTGATGGAGCAGCTCCGGGGGAGGCACTTA
 AGTTTCATAAGCCAGGTGAGAACTACAAGACGCCAGGCTATGTGATCACTCCATATACCATGGATCTGCT
 GAAGCAGCACCTGGAGATCACTGGGGGACAGGTACGTACGCGGTTCCCTCCAGAGCCCAATGGAATCCTG
 CATATTGGACACGCCAAAGCCATCAATTTCAACTTTGGTTATGCCAAGGCCAAACAATGGTATCTGTTTTT
 TGCGCTTTGATGACACCAACCCTGAGAAAGAAGAAGCAAAATTTCACTGCTATTTATGACATGGTGAC
 CTGGCTGGGTTATACACCTTACAAAGTGACATATGCTTCTGACTATTTTGACCAGCTGTATGCTGGGCC
 GTGGAACCTCATCCATGGGGGTCTTGCTTATGTGTGTCACCAAGAGAGTGAAGAGCTCAAAGGCCATAACC
 CTTTACCTTCTCCATGGAGGGACAGGCCTAAGGAAGAATCATTGCTGCTTTTGAGGCAATGCGCAAGGG
 CAAATTTGCAGAAGGAGAGGCCACACTTCGAATGAAGTTGGTGTGGAAGATGGCAAGATGGACCCCGTG
 GCCTATCGAGTCAAGTACACGCCACACCATCGCACAGGGGACAAATGGTGCATCTACCCACCTATGACT
 ACACACATTGTCTGTGTGACTCCATTGAGCACATTACCCACTCGTTGTGTACCAAGGAGTCCAGGCTCG
 ACGGCTCTTCTACTTTTGGTTATGTAACGCTCTGAAAGTCTATTGCTGTTGAGTGGGAATATGGTCGC
 CTCAATTTGCACTATGCTGTTGCTCAAAGCGCAAGATTCTCCAGCTTGTAGCAGCTGGTGTGCTGTTCCGG
 ACTGGGACGATCCACGGCTCTTACACTACTGCCCTACGACGACGGGGTTTTCCACCAGAGGCTATCAA
 CAACTTCTGTGCTCGGGTTGGGGTACAGTGGCACAGACCACAATGGAACCTCATCTTCTGGAAGCCTGT
 GTGCGTGTGCTGAATGATGCAGCCCCACGTGCCATGGCTGTTCTAGAGCCACTACAAGTTGTATCA
 CCAACTTCTGCTCCCAAGCCCTTGGACATCCGAGTGCCAAATTTCCAGCTGATGAGACCAAGGGTTT
 CCACCAGTTCCTTTTGGCTTCCACTGTCTTATTGAGAGAAGCGACTTTAAGGAGGAGTCAAGACCAGGC
 TATAAGCGCCTAGCTTCGGGCCAGCCTGTGGCCCTGAGACACACTGGTTATGTCATTGAACTGCAGAATA
 TTGTCAGGGGCTCCAGTGGCTGTGTGGAACGCTTGGAGGTGACCTGTAGACGAGCTGATGCTGGAGAGAA
 GCCCAAGGCCTTTATTCAGTGGGTATCACAGCCTTTGGTGTGTGAGATTGCCTCTATGAGTGCCTATTC
 CAGCACAAGAACCCGAAGACCCTGTTGAAGTGCCTGGTGGATTCTAAGTGACCTGAACCCGGCGTCAC
 TACAAGTGGTAGAAGGAGCATTAGTGGACTGCTCTGTGGCTTTGGCAAAGCCCTTTGACAAGTTCAGTT
 TGAGCGCCTTGGGTACTTCTCTGTGGATCCAGACAGCCATCAAGGACAGATTGCTTCAACCCGAAGTGC
 AACTAAAAGAAGACCCAGGCAAAATATGAACTGAATACATGTGGCCCTACCTCATCCTGGAGGCTGGG
 GTGCCCTTCAACTCCACACTCCGTTTTCAATAAAGAATAAATAAATCCCTAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** BC079854
- Insert Size:** 2328 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: [BC079854](#), [AAH79854](#)

RefSeq Size: 2460 bp

RefSeq ORF: 2328 bp

Locus ID: 97541

Cytogenetics: 9 F2

Gene Summary: Glutamine--tRNA ligase. Plays a critical role in brain development.[UniProtKB/Swiss-Prot Function]