

Product datasheet for **RN202501**

Aarsd1 (NM_001034109) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Aarsd1 (NM_001034109) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Aarsd1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN202501 representing NM_001034109
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTTCTGTGTCAGCGCGACAGCTACGCACGGGAGTTCACCACCACCGTGGTCTCTTGCTGTCCCG
 CCGAGCTACAGACGGACGGGAACGGCAGCAAGAAAGAAGTGTGAGCGGTTTCCAAGTGGTTCTGGAAGA
 CACCCTGCTTTTCCCGAGGGTGGGGCCAGCCTGATGACCGTGGCACCATCAATGACATCTCTGTGCTG
 AGGGTACCCCGTCTGTTGGGCCAGGCCGATCACTTACGCAGACACCTCTGTCCCCTGGGAGTCAGGTC
 AGGTCCGGTGGACTGGGAGCGGAGGTTTGACCACATGCAGCAGCATTTCAGGGCAACATCTCATCCCGC
 TGTGCTGACCTTCTTTGGGCTGAAGACAACATCATGGGAATTAGGGAACTCCGGTGTGTGATCGAG
 TTGGACAGCCCTTCTGTGACTGCTGAGCAGGTAGCTGCCATCGAGCAGAGTGTAATCAGAAAATCCGAG
 ACCGGTCTGCCGTGAGTGTGCGAGAGCTGAGCCTCGATGACCCTGAGGTGGAGCAGGTGAGGGGCCGGGG
 CTTGCCCGACGATCATGCTGGGCCATTTCGAGTTGTTACCATCGAGGGTGTGACTCCAACATGTGCTGT
 GGGACGCACGTAACAATCTCAGTGACCTTCAGGTCATTAAGATTCTGGCACTGAGAAAGGAAAAAGA
 ACAAAGCAACCTGATATTTCTGGCTGGGAACCGGTAAGTGGATGGAGCGAAGTCATGGAAGTGA
 AAAGCCCTGACCTCACTACTTAAGTGTGGAGCAGAGGATCACGTGGAAGCCGTGAAAAACTCCAGAAT
 GCCACCAAGCTCCTGCAGAAGAACAACCTGAACCTCCTTAGAGACCTGGCTGTGCACACTGCCACACCC
 TCAGGAGCAGCCAGCCTGGGGAGGCGTGGTCACTACACAGGAAGAGGGTGACTCTGAATTCATGAA
 TATCATCGCCAATGAGATTGGGTCAGAGGAGACCCCTCTTAACTGTGGGGACGAGAAAGGTGCT
 GGGCTCTTCTACTGGCAGGCCCGACAGAGGCTGTGGAGACCCTGGGGCCAGGGTAGTGAAGTCTTGG
 AAGGCAAAGGAGCAGGGAAGAAAGGCCGCTCCAGGGCAAGGCCACCAAGATGAGTCGACGGGCAGAGGT
 GCAGGGCGTCTGCAGGACTATGTCAGCACACAGAGTCTGAGGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001034109
Insert Size:	1239 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:	<ol style="list-style-type: none"> 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:	<u>NM_001034109.1</u> , <u>NP_001029281.1</u>
RefSeq Size:	3342 bp
RefSeq ORF:	1239 bp
Locus ID:	619440
UniProt ID:	<u>Q5XI97</u>
Cytogenetics:	10q31
Gene Summary:	Functions in trans to edit the amino acid moiety from incorrectly charged tRNA(Ala). [UniProtKB/Swiss-Prot Function]