

Product datasheet for **RN206137**

Iars (NM_001100572) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iars (NM_001100572) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Iars
Synonyms:	Iarsl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206137 representing NM_001100572 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTCAACAAGTTCGGAAAACATCAGCTTTCCTGCTGAAGAAGAAAAATCTTACAGTTCTGGTCCA
AATACAACGTGTTCCAGGAATGCCTAAAGCAGTCAAAGCTCAGGCCAAAGTTACCTTCTATGATGGGCC
TCCCTTCGCTACTGGACTGCCTCACTACGGACACATACTTGGGGGACAATTAAGATATAGTTACAAGA
TACGCTCACCAGAGCGGGTTTCAGTCGACAGAAGATTCGGGTGGGATTGTCATGGCTTACCTGTGGAGT
ACGAGATTGACAAGACCCTGGGGATCAAAGGGCCAGAGGACGTGGCCAAGATGGGGATCGCAGAGTACAA
CAAGCAGTGCCGAGCTATTGTGATGAGGTACTCCGCCGAGTGGAAGTCTACTGTTACCAGGCTTGGCCGA
TGGATCGACTTTGACAATGACTACAAAACCTGTACCCACAATTCATGGAATCAGTCTGGTGGGTCTTCA
AGCAGCTGTATGACAAAGGCCTCGTGTACAGAGGCGTGAAAGTCATGCCCTTCTCCACCGCGTGTGGAAC
TCCACTCTCCAACCTCGAGTCGAACCAGAATTACAAGGACGTTCAAGGACCTTCAGTATTTGTAACGTTT
CCTTTGGAGGAAGATGAAAACACATCCTTAGTTGCTTGGACAACCACTCCGTGGACCCTACCCAGTAACC
TTGCGCTATGTGCAATCCAGAAATACAGTATGTGAAGATCAAAGACGTTTCCAGGGGAAGTTGTTTCAT
TTTGATGGAAGCCAGATTGTCGGCCCTCTATAAACAAGAGAGCGACTATGAGATCCTTGAAAGGTTTCCT
GGTGCCCTCTCAAAGGCAAGAAATACAAGCCGTTGTTTGAAGTACTTTATTAAGTGAAGGAGAACGGTG
CCTTCACCGTGCTTGTGACCACTATGTGAAGGATGAAGAAGGCACAGGTGTCGTTACCAAGGCTCCTTA
CTTTGGCGCTGACGATCATCGAGTCTGTATGGACTTCAACATCATTACAGAAAGACTCAGCCCTGTTTGT
CCTGTGGATGCTTCAGGCTGCTTACAGAGGAAGTGACACATTTTGTGGGCAGTATGTGAAGGATGCTG
ACAAAAATATCATCAGGATGTTGAAGGAGCAGGGCCGACTGCTCGTGGCAAGCACCTTCACTCACAGCTA
CCCTTTCTGCTGGAGGTCGGACACTCCCTCATTTACAAGTCCGTGCCAGCTGGTTCGTGCGGGTGGAG
CACATGGTGGACCAGCTACTGAAGAACAATGATCTGTGTTACTGGGTCCCAGAGTTGTACGAGAAAAAC
GGTTTGGAAATTGGCTGAAGGAGGCACGTGACTGGCAATTTCCGAAACAGATACTGGGCACCCCAT
CCCACTGTGGTCAGTGAAGACTTTGAGGAGGTAGTGTGCATCGGGTCAGTGGCAGAACTGAAGAATTG



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TCAGGAACAAAAATCTCAGATCTCCACAGAGAGCATCGACCACCTGACCATACCATCCCGCTGCGGGA
AAGGACCGTTGCGGCGTGTCTCTGAGGTGTTTACTGTTGGTTCGAGAGTGGAAGTATGCCTTACGCCCA
GGTTCATTACCCCTTTGAGAGCAAGCGAGAGTTCGAGGATGCCTTTCCCGCAGACTTCATTGCTGAAGGC
ATCGATCAAAACGAGGATGGTTTTACACCCTGCTAGTGCTAGCCACAGCCCTCTTTGGACAACACCTT
TCAAGAACGTGATTGTGAACGGCCTCATCTTGGCAAGTGATGGCAAAAAATGAGCAAACGGAAGAAAGAA
CTACCCAGATCCGGTTTCCATCATCAATAAGTACGGTGCCGACGCCCTCAGGTTATATCTGATCAATTCC
CCTGTGGTGAGAGCAGAAAACCTGCGCTTCAAGGAGGAAGGCGTACGGGATGTCCTCAAAGACGTGCTGC
TCCCATGGTACAACGCATACCGCTTCTTCATCCAGAACGTCTTTAGGCTGCACAAGGAAGAAGTAGA
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CAGTCGCTCATTGCGTTCTTTGAGACGGAATGGCAGCTTACAGGCTGTACACTGTGGTGCCTCGCTGG
TCAAGTTCGTAGATATTCTGACCACTGGTACGTCCGAATGAACAGGAGAAGATTAAAGGGGAGAATGG
CATGGAAGACTGTGTTATGGCTCTGGAGACTCTGTTCACTGTCTGCTTTCTCTGTGCAGACTGATGGCC
CCTTACACACCCTTTCTACTGAACTGATGTACCAGAACCTGAAGCTGCTGATTGACCCTGCATCTATCC
GGGACAAGGACACCCTCAGCATCCACTACCTCATGCTGCCTCATGTTGAGAGGAGCTGATTGACAAGAA
AACTGAGAACGCGGTGTCTAGAATGCAGTCCGTGATTGAGCTTGGGAGAGTGATTGAGACCGGAAAACCT
ATTCCAATAAAGTATCCCTTGAAGGAAATTGTCTGCATCCACCAAGACCCAGAAGCTCTTGAGGATATCA
AGTCCTTGGAAGATATATCATTGAGGAACTAAATGTTGAAAAGTTACACTGTCTACTGATAAAAAACAA
GTATGGCATTGACTGAGGGCTGAGCCAGATCACATGGTCTTGGGAAACGTCTGAAGGGAGCCTTTAA
GCAGTGATGGTGGCCGTAAGCAGCTGAGCAATGAGGAGCTGGAGCAGTTTCAGAAGAGTGGGAGCATCG
TCGTGGAAGGCCATGAATTACACGAAGAAGATATTCGTCTCATGTACACCTTTGACCAGGCCACAGGAGG
CACTGCACAGTTTGAAGCACACTCTGATGCTCAGGCTTTAGTTCTCTTAGATGTCACACCTGACCAGTCA
ATGGTGGACGAAGGCATGGCTCGGAAGTCATCAATCGCATCCAGAAGCTTCGCAAGAAGTGCAACCTGG
TTCCGACGATGAAATAACAGTTTACTATAATGCCAAATCTGAAGGAAGATACTTGAGTAATGTCATCGA
AAGCCACACTGACTTCATATATGCCACTATCAAAGCTCCCTTGAAGCCCTATCCAGTTCTACATCAGAT
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GTGTGCCTGGGCCCGCTTGTGCTTATGTGAACCTTAACATTTGTGCAATGGCACTGAGCAAGGTGGAGT
GTTACTCTGGAGAATCCGAAGGGTGATAATCAGTTGAACCTTGAGAAGCTGAAGAGCGTCATTACCAGC
ATATTCGGTGTTAAAAGCACAGGGCTGTCAGTCTTCAACGGTGGAAACAGAATTACAGAACCAGACTGACT
TGCTGAGCCTCAGTGAAGGACGCTGTGTGACTGCAGGAGCATCCCTGGCTCCAGCCAGCAGCCCCAG
CACCCTTCTCTGTCAGTACATCAACCTGCAGCTCGTGAACGCAGAGCCACAAGAGTGTAAACAGGAACT
GTGGGCACCCTCTGCTTGAACCCACTTGGACAGAACGGGCTCACCACCAAGGGCTTGTGTACGAAG
CAGCCAAGGTGTTTGGACTGCGCAGCCGAGGCTAAAGCTGTTTCGTAATGAGACTCAGACACAAGAAAT
TACAGAAGATATCCCAATGAAGACTTTGAATATGAAGACTGTATATGTTTCTGTCTTGCCACGACTGCA
GATGGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001100572

Insert Size: 3789 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: NM_001100572.1, NP_001094042.1

RefSeq Size: 4494 bp

RefSeq ORF: 3789 bp

Locus ID: 306804

Cytogenetics: 17p14

Gene Summary: participates in the carotid neointimal formation [RGD, Feb 2006]