

## Product datasheet for MC205234

### Iars (NM\_172015) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Iars (NM_172015) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Iars
Synonyms:	2510016L12Rik; AI327140; AU044614; E430001P04Rik; ILRS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC067029

```

CACCTCCAGACGCGGAACGTGGTCGCAGGCTGCAACCTGAGCGAGCTCTCCGGGTTCCAGCAACAGAAT
GGTTCAACAAGTTCAGAAAACATCAGTTTTCCTGCTGAAGAAGAAAAATCTTGGAGTTCTGGTCCAAA
CATAACTGTTTCCAGGAATGCCTCAAACAGTCAAACTCAGGCCAAAGTTTACCTTCTATGATGGGCCTC
CCTTTGCTACTGGACTGCCTCACTATGGACACATACTTGCTGGGACAATCAAAGATATCGTTACGAGATA
CGCTCACCAGAGCGGGTTTCAGTTTGACAGAAGATTCGGGTGGGACTGTCACGGCTTACCTGTGGAGTAC
GAAATCGATAAGACACTGGGCATCAAAGGCCCGGAGGATGTGGCCAAAATGGGGATTGCAGAGTACAACA
AGCAGTGCCGAGCAATCGTGATGAGATACTCCGCTGAGTGGAAGTCTACTGTTACCAGACTCGGCCGATG
GATCGACTTTGACAATGACTACAAAACACTATACCCACAGTTCATGGAATCAGTCTGGTGGGTCTTCAAG
CAGCTGTATGACAAAGGCCTCGGTACAGAGGCGTGAAGGTCATGCCCTTCTCCACCGCGTGTGGCACTC
CACTCTCCAACCTCGAATCTAACCAGAATTACAAGGATGTTCAAGGATCCCTCAGTATTTGTAACATTCCC
TTTGGAGGAAGATGAAAATACATCCTTAGTTGCTTGGACAACCACTCCTTGGACTCTACCCAGTAACCTT
GCACTATGCGTCAATCCAGAAATACAGTATGTGAAGATCAAAGATGTGGCCAGGGGAAAAATTATTCATCT
TAACGGAAGCCAGATTATCGGCCCTCTATAAGCAAGAGAGCGACTATGAGATACTTGAAAGGTTTCTGG
TGCCTCTCTCAAAGGCAAGAAATACAAGCCGTTGTTTGACTACTTTATTAAGTGAAGGAGAACGGTGCC
TTCACCGTGCTTGTGACCACTATGTGAAGGATGAAGAAGGCACAGGCGTTGTGCACCAGGCTCCTTACT
TTGGTGCTGATGATCATCGTGTCTGTATGGACTTCAACATTATTCAGAAAGACTCAGTCCCTGTTTGTC
TGTGGATGCTTCAGGCTGCTTACAGAGGAAGTGACACATTTTGTGGGCGAGTATGTGAAGGATGCTGAC
AAAAATATCATTAGGATGTTGAAGGAGCAGGGCCGGCTGCTGGCGCGGGCAGTTCCTACACAGCTACC
CTTTCTGCTGGAGGTGAGACACGCCCCTCATTTACAAGTCTGTGCCAGCTGGTTTGTGCGGGTGGAGCC
CATGGTGGACCAGCTACTGAAGAACAACGACCTGTGCTACTGGGTCCCAGAGTTTGTACGAGAAAAACGG
TTTGAAATTGGCTGAAGGAGGCCCGTACTGGGCAATTTCCAGAAACAGATACTGGGGCACCCCATCC
CACTGTGGGTGAGCAAGACTTGGAGGAGGTAGTGTGATTGGATCAGTGGCAGAGCTTGAAGAAGTGTG
GGGAACAAAAATCTCAGATCTCCACAGAGAGCATCGACCACCTGACCATCCCATCCCGCTGCGGGAAA
GCACCATTTGCGGCGCGTCTCTGAGGTGTTGACTGCTGGTTTCGAGAGTGAAGTATGCCCTATGCCAGG
TCCATTATCCGTTTCGAGAGCAAGCGGAGTTTGAAGGATGCCTTTCCTGCAGACTTCATTGCTGAAGGCAT
CGATCAAACCAGAGGATGGTTTTACACCCTGCTGGTGCTAGCCACAGCGCTCTTTGGACAGCCACCTTTC

```


[View online »](#)

[illegible]

**Restriction Sites:**

Ascl-Notl

ACCN:

NM 172015

**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:** [BC067029](#), [AAH67029](#)

**RefSeq Size:** 4398 bp

**RefSeq ORF:** 3789 bp

**Locus ID:** 105148

**UniProt ID:** [Q8BU30](#)

**Cytogenetics:** 13 A5

**Gene Summary:** Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA.[UniProtKB/Swiss-Prot Function]