

Product datasheet for **MC217299**

Irx4 (NM_018885) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irx4 (NM_018885) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irx4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217299 representing NM_018885
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTACCCGAGTTTGGATACCCCTATTCTCTGCTCCTCAGTTCCTGATGACCACCAACTCCCTGA
 GCACGTGCTGCGAGTCGGGCGGCCGACACTGGCTGATTCGGGGCTGCAGCCTCGGCACAGGCGCCCGT
 CTA**CTGCCTGTCTACGAGAGCCGGCTGCTGGCCACTGCACGCCACGA**ACTCAATTCTGCCGCCGCGCTC
 GGCGTCTACGGGAGCCCTATGGCAGCTCGCAGGGCTATGGCAACTACGTGACCTATGGCTCTGAGGCAT
 CTGCTTTCTACTCTCTGAACAGCTTCGAGTCCAAGGATGGCACAGGATCTTACACGCCGGCCTACCACC
 CACTGCAGCTGCAGCCTACTACCCGTATGAGCCAGCTCTGAGCCAGTACCCATATGACAGGTACGGGACC
 GTGGACAGCGGCACGCGGCCAAGAATGCCACCCGGGAGACCACCAGCACACTGAAGGCCTGGCTGCAGG
 AGCACCCGAAGAACCCTACCCACCAAAGGAGAGAAGATCATGTGGCCATCATACCAAGATGACCCCT
 CACACAGGTTTCCACCTGGTTTCCAAACGCACGTCCGGCGCTCAAGAAGGAGAACAAGATGACCTGGCCA
 CCTAGAAAATAATGTGCAGATGAGAAGCGCCCTATGGGGAGGGGAGGAGGAGGCTGGAGAGGAGG
 AGTCACGGGAGGAGCCTCTCAAGAGTGCCAAGAGCGAAGGTCATGCTGGCAAAGACGACAAGGAGCTAGA
 ACTCAGTGACTTGAAGACTTCGACCCTTAGATGCAGAGACCTCAGAATGTGAGCTGAAGACGCCCTTC
 CAGTCCCTGGATAGTGGACCAGAGAGGATTCCTGCTTCTGATGGTCCCGGCACAGGCAAGGAGGCCCT
 CCACCACACTCCGGATGCCCTGGGCACCGCTGGTGGAGCTGTTATGGATGGGGATCTGGAGAGGGCAAG
 GAACTGCCTCCGAGCACAGTGGTCGTTCTGACTCTGGCGCCGAGGGCGGCCACCTGCTTGCGAAGCC
 AA**ACTGACCTTTGCTCAGGCGGGAGCGCCGCGCAACCTGGAGACCAAGCCCGCATCTGGTCTTGGCAC**
 ACACAGCCACCGCTGCTGCAGCCACAGCTCTGAGCCAGACTGAGTTTCCCTCTGCATGCTGAAAGGCCA
 AAGTCCAACGGGTGATCTGCGACGACGCCAGCTCCTCACCTGCAGTCACGGCCCTTCTGGGGCTCTG
 GATAGGCACCAGGACTCCCCAGTA**ACTAGCCTCAGAAACTGGGTGGATGGGGATTTT**CACGATCCCATCC
 TTAGACACAGCACTTTGAACCAGGCCTGGGCCACCGCTAAGGGCGCACTTCTGGATCCCGGCCCTTAGG
 ACGCAATCTGGGGCGGGTACTAACGTACTGACGACGCCCTTGTCTGCTCTCCCGCCACGGTGCC
 CAAGACGTCCACCTGCAGGGCCCTCCCGGAGCTGCTGGCTACGCCAAGGCCGGTGGCAAACCCTTCT
 GCACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_018885
Insert Size: 1548 bp
OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_018885.2</u> , <u>NP_061373.1</u>
RefSeq Size:	2601 bp
RefSeq ORF:	1548 bp
Locus ID:	50916
UniProt ID:	<u>Q9QY61</u>
Cytogenetics:	13 C1
Gene Summary:	Likely to be an important mediator of ventricular differentiation during cardiac development. [UniProtKB/Swiss-Prot Function]