

Product datasheet for **SC322077**

IRX4 (NM_016358) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRX4 (NM_016358) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRX4
Synonyms:	IRXA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_016358, the custom clone sequence may differ by one or more nucleotides

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ATGTCCTACCCGAGTTGGATACCCCTACTCCTCGGCTCCCCAGTTCTTGATGGCCACCAACTCCCTGA
GCACGTGCTGCGAGTCCGGAGGCCGCACGCTGGCGGACTCCGGGCCCGCCGCTCGGCCAGGCGCCGGT
CTACTGCCCGGTCTACGAGAGCCGGTGTGGCCACCGCGGCCACGAGCTCAACTCGGCCGCGGCGTG
GGCGTCTATGGGGTCCCTATGGCGGATCGCAGGGCTATGGCAACTACGTGACCTACGGCTCGGAGGCGT
CCGCTTCTACTCGTGAACAGCTTTGATTCCAAGGATGGTTCGGGATCTGCGCATGGGGCCCTGGCACC
AGCCGCTGCCGCTACTACCTTACGAGCCAGCTCTGGGCCAGTACCCCTATGACAGGTATGGAACCATG
GACAGCGGCACGCGGCGAAGAACGCCACGCGGAGACCACCAGCAGCTCAAGGCTGGCTGCAGGAGC
ACCGCAAGAACCCTACCCACCAAGGGCGAGAAGATCATGCTGGCCATCATACCAAGATGACCCTCAC
ACAGGTCTCCACCTGGTTCGCCAACGCGCGCCGGCGCTCAAGAAGGAGAACAAGATGACGTGGCCGCCG
CGGAACAAGTGGCAGACGAGAAGCGGCCCTACGCGGAGGGCGAGGAGGAGGGGGGGCAGGAGGAGG
CGCGGGAGGAGCCCTCAAGAGCTCCAAGAACGCAGAGCCCGTGGCAAAGAGGAGAAGGAGCTGGAGCT
TAGTGACTTGGACGACTTCGACCCGCTGGAAGCAGAGCCCGCGGTGCGAGCTGAAGCCGCCCTTCCAC
TCCTGGACGGCGGTCTGGAGCGCTCCCGCCGCGCCGACGGCCCGGTCAAGGAGGCCTCAGGCGCGC
TCCGGATGCTCTGGCCGCGGTGGCGGAGCTGCTCTGGACGAGGACCTGGAGAGGGCCCGGAGCTGCT
CCGACGCGCGGCCGGCCGGGAGCCACTGCCGGGCGCAGAGGGCGGCCCTCAGGTCTGCGAGGCCAAG
CTGGGGTTTGTCCGGCGGGGGCGTGGCAGGCCCTGGAGGCTAAGCCGCGCATCTGGTCCCTGGCCACA
CAGCCACCGCGCCGCCCGCCGCCACCTCCCTGAGCCAGACTGAGTTTCCGTCGTGCATGCTCAAGCG
CCAAGTCCCAGCGCCCTGCGGCTGTCTCCGCGCCGCCACGTCCCCTGTGGCCCTTCCCAC
TCTGGCGCCCTGGACAGGCACCAGGACTCCCGGTAACCACTCAGAACTGGGTGGACGGGGTCTTCC
ACGACCCCATCCTCAGGCACAGCACTTTGAACAGGCCTGGGCCACCGCAAGGGCGCCCTCCTGGACCC
CGGGCCTCTGGGACGCTCGTGGGGCGGGCGGAACGTGCTGACTGCACCCCTGCCCCGCGCTTCCG
CCTGCCGTGCCCCAGGACGCCCCAGCTGCAGGCGCCGAGGAGCTGCTCGCCCTGCCAAGGCCGGCG
GCAAACCCTTCTGCGCTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_016358
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_016358.1](#), [NP_057442.1](#)

RefSeq Size: 2212 bp

RefSeq ORF: 1560 bp

Locus ID: 50805

UniProt ID: [P78413](#)

Cytogenetics: 5p15.33

Gene Summary: Likely to be an important mediator of ventricular differentiation during cardiac development. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (5) differs in the 5' UTR and lacks an alternate internal exon compared to variant 4. It encodes isoform b which is shorter than isoform a.