

Product datasheet for **SC332182**

IRX5 (NM_001252197) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IRX5 (NM_001252197) Human Untagged Clone
Tag: Tag Free
Symbol: IRX5
Synonyms: HMMS; IRX-2a; IRXB2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332182 representing NM_001252197.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCCTATCCGCAGGGCTACTTGTACCAGCCGTCGCCTCGCTGGCGCTCTACTCGTGCCCGGCTAC
AGCACCAGCGTCATTTCCGGGGCCCCGCACGGATGAGCTCGGCCGCTCTTCTTCGGGCTCCGCGTTCTCG
CCCTACGCTGGCTCGACTGCCTTACGGCGCCCTCGCCGGGCTACAACCTCGCACCTCCAGTACGGCGCC
GACCCCGCGGCCCGCCGCCGCCCTTCTCCTCGTACGTGGGCTCTCCCTACGACCACACACCCGGC
ATGGCGGGCTCCTTGGGGTACCATCCTTACGCGCGCCCTGGGATCGTACCCTTACGGGACCCAGCG
TACCGGAAGAACGCCACAAGGGACGCCACGGCTACCCTCAAGGCCTGGCTCAACGAGCACCGCAAGAAC
CCCTACCCACCAAGGGCGAGAAGATCATGCTGGCCATCATACCAAGATGACCCCTACCCAGGTGTCC
ACCTGGTTCGCCAACGCGCGCCGCGCCTCAAGAAAGAGAATAAAATGACGTGGACGCGCCGGAACCGC
AGCGAGGACGAGGAAGAGGAGGAGAACATTGACCTGGAGAAGAACGACGAGGACGAGCCCCAGAAGCCC
GAGGACAAGGGGACCCCGAGGGCCCCGAAGCAGGAGCTGAGCAGAAGGCGGCTTCGGGCTGCGAACGG
CTTCAGGGACACCCACCCTGCAGGCAAGGAGACGGAGGGCAGCCTCAGCGACTCGGATTTAAGGAG
CCGCCCTCGGAGGGCCGCTCGACGCGCTGCAGGGCCCCCGCACCGGGCGGCCCTCCCGGCTGGG
CCAGCGCGCGCGGCTGGCGGAGACCCGCCCTACTACCCGCGGAGCGCCGCGCCCGCCCG
CATCCAGCCGCGGGGAGGTGCCTCCGGTCCCGCGGGCCCTCGGTTATCCATTCCGCGCCTCCGCCG
CCGCTCCTGCGGTGCTCGCCAAGCCAAACTGTGGTCTTTGGCAGAGATCGCCACATCGTCGGACAAG
GTCAAGGACGGGGCGGGGGAACGAGGGCTCTCCATGCCACCGTGTCCGGGGCCATAGCCGGGCAA
GCCCTAGGAGGACGCGGGCGTCGCGGCCCGCGCCGTCACGCTCGCCCTCGGCGCAGTGTCTTTT
CCAGGGCGGACGGTGTGTCCCGCCTCTACTACACCGCGCCCTTCTATCCCGGTACACGAACAT
GGCTCCTTCGGACACCTTATGGCCACCCGGGGCCCGGGCCAGGCCCCACAACCGGTCCGGGGTCTCAT
TTCAATGGATTAACCAGACCGTGTGAACCGAGCGGACGCTTTGGCTAAAGACCCGAAAATGTTGCGG
AGCCAGTCTCAGCTAGACCTGTGCAAAGACTCTCCCTATGAATTGAAGAAAGGTATGTCCGACATTAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001252197
Insert Size: 1449 bp



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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_001252197.1</u>
RefSeq Size:	2075 bp
RefSeq ORF:	1449 bp
Locus ID:	10265
UniProt ID:	<u>P78411</u>
Cytogenetics:	16q12.2
Protein Families:	Transcription Factors
MW:	50.3 kDa
Gene Summary:	<p>This gene encodes a member of the iroquois homeobox gene family, which are involved in several embryonic developmental processes. Knockout mice lacking this gene show that it is required for retinal cone bipolar cell differentiation, and that it negatively regulates potassium channel gene expression in the heart to ensure coordinated cardiac repolarization. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (2) uses an alternate, in-frame acceptor splice site at the 3' terminal exon compared to variant 1. This results in an isoform (2) that is 1 aa shorter than isoform 1.</p>