

Product datasheet for **SC319551**

Iroquois homeobox protein 3 (IRX3) (NM_024336) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iroquois homeobox protein 3 (IRX3) (NM_024336) Human Untagged Clone
Tag:	Tag Free
Symbol:	Iroquois homeobox protein 3
Synonyms:	IRX-1; IRXB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024336.1
AAGGAAGCGAGGCGGACACTGCTGGGGAGAGGAGGGCAGTGAGGAGCGAGGAGCGGGCA
GAGGCAGCTCCGGCGGCCGAGAGGAGGGAGCGCGGCAGAGAGGAGGGGCTTGCGCCCC
GTAGAAATGTCAATCAGAGCCCCGAGCCCCGGGAATCTCCGCCAATCTGTTCCGACTGA
CCTGGCTCCTCGCCGCCCTCGCCGCCCGTCCGCCCGCGGAGCAGATCAATAGGC
GAACGCGGAGCACAGCGAGCGGGGCGCAGCGGCCCAAGCCGGCCAGCCCCC
ATGCGCGCCGAGCCCCGCGGGCGCTGAGCTGGCGGCCCGGGGTGCGGCCCTCT
CGTCCGTGCCCGCGGCCACCATGTCCTTCCCCAGCTGGGATACCAATACATCCGCC
CGCTTTACCCGTCCGAGCGCCCGGGGCGCTGGCGGAGCGGCCGAGCGGGGCC
GGGGCGGCTGGGTGCCGAGCCTCGGAGCTGAACGCCTCGGGTCCCTGTCCAACGTGC
TCTCGTCCGTGTACGGGGCGCCTACGCCCGCGCCGTGCGGCCGCCGCCCAAGGT
ACGGCGCTTCTGCCCTACGCCCGGAGCTGCCATCTTCCCGAGCTGGGCGCGCAGT
ATGAGCTGAAGGACAGCCCCGGGTGCAGCATCCGGCCCGGCTGCCGCTTCCGACC
CGCACCCCGCTTCTACCCGTATGGCCAGTACCAGTTCGGGGACCCGTCCCGTCCAAGA
ACGCCACCAGGGAGACACCAGCAGCTGAAGGCCTGGCTCAACGAGACCGCAAGAACC
CCTACCCACCAAGGGCGAGAAGATCATGCTGGCCATCATACCAAGATGACCCTCACCC
AGGTGTCCACCTGGTTCGCCAACGCGCGCCGGCGCTCAAGAAGGAGAATAAGATGACTT
GGGCGCTCGCAGCCGCACTGACGAGGAGGAAACGCTTATGGGAGCGAGCGGAGGAGG
AAGACGAAGAGGAGGACGAGGAGGACGGCAAACGCGAGCTAGAGCTGGAGGAGGAGGAGC
TCGGGGGGGAGGAGGAGGACACGGGGGGGAGGGCCTGGCTGACGACGACGAGGACGAGG
AGATCGATTTGGAGAACTTAGACGGCGCGGCCACCGAGCTGAGCTGTCCCTGGCTGGGG
CGGCGCGCAGGGATGGCGACCTAGGCCTGGGACCATTTTCGACTCCAAAAATAGCGACT
CGGAAGATAGCTCTGAGGGCTTAGAGGACCGGCCACTACCGTCTGAGTCTGGCTCCAG
CGCCACCACCAAGTGGCCGTGGCCTCGCCGTCTGCGGTGCGCCCGCCCGTGGAGCTGGACC
CCTGCGCTCCCGCACCAGCCCCGCCTCCGCCCTGCAGAAGCCCAAGATCTGGTCCCTCG
CGGAGACTGCCACAAGCCCGGACAACCCGCGCCGCTCGCCTCCCGGCGCGGGGGGTCTC
CACCGGGGCGAGCGGTGCGCCTTCCGCCCTGCAGCTCTCTCCGGCCGCCCGCCGCCG
CCGCTCACAGACTGGTCTCAGCGCCGCTGGGCAAGTTCGCGCTTGGACCAACCGGCCGT
TCCAGGCCACCGCCCGCCCGCCCGCACCCTCTCCCTGCTGGGCTCTGCCCTC
CGCACCTGCTGGGACTTCCGGAGCCGCGGCCACCCGGCTGCCGCCCGCCTTCGCTC
GGCCAGCGGAGCCGAAGGCGGAACAGATCGCTGTAGTGCCTTGAAGTGGAGAAAAAGT
TACTCAAGACAGCTTCCAGCCGTGCCAGGGCGCCCAAGACCATCTGGACGCGGCC
TGGTCTTATCGGCTCTCTCCTATCCTAGTTCTTTAAAAAAAACAAAAAACAAAAAAA
CTTTTTTAAATCGTTGTAATAATTGTATAAAAAAATCGCTCTGTATAGTTACAACCTGT
AAGCATGTCCGTGATAAATACCTAAAAGCAAACCTAAACAAAGAAAGTAAAAA
AAAAAA

Restriction Sites: Please inquire

ACCN: NM_024336

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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:	NM_024336.1 , NP_077312.1
RefSeq Size:	2308 bp
RefSeq ORF:	1506 bp
Locus ID:	79191
UniProt ID:	P78415
Cytogenetics:	16q12.2
Protein Families:	Transcription Factors
Gene Summary:	<p>IRX3 is a member of the Iroquois homeobox gene family (see IRX1; MIM 606197) and plays a role in an early step of neural development (Bellefroid et al., 1998 [PubMed 9427753]). Members of this family appear to play multiple roles during pattern formation of vertebrate embryos (Lewis et al., 1999 [PubMed 10370142]).[supplied by OMIM, Aug 2009]</p>