

Product datasheet for **RC225797**

IRX2 (NM_001134222) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRX2 (NM_001134222) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IRX2
Synonyms:	IRXA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC225797 representing NM_001134222
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCCTACCCGAGGGCTACCTGTACCAAGGCGCCCGGCTCGCTGGCGCTCTACTCGTGCCCGGCTACG
 GCGCGTCGGCTTTGGCGGCTCCGCGCAGCGAGGAGCTGGCGCGCTCGGCGTCGGGCTCGGCGTTACGCC
 CTACCCGGGCTCGGCGGCTTACGCGCAGGCGGCCACCGGCTTCGGGAGCCCGCTGCAGTACTCGGCC
 GACGCCGCCGCCGCCGCCGCGCTTCCCGTCTACATGGGCGCACCTACGACGCGCACACCACCGGCA
 TGACCGGCGCCATCAGCTACCACCGTACGGCAGCGCGGCTACCGTACCAGCTCAACGACCCCGCGTA
 CCGCAAGAAGCCACGCGGGACGCCACGGCCACTCTCAAGGCCTGGCTCAACGAGCACCGCAAGAACCC
 TACCCACCAAGGGCGAGAAGATCATGCTAGCCATCATACCAAGATGACCTCACCAGGTCTCCACCT
 GGTTCCGCAACGCGCGCGCGGCTCAAGAAGGAGAACAAGATGACCTGGGCCCCGAGAAACAAAGCGA
 AGATGAGGACGAGGACGAGGGCGACGCTACCAGAAGCAAGGACGAGAGTCCGACAAAGGCGCAGGAGGGC
 ACGGAGACCTCGGCAGAGGACGAAGGGATCAGCCTGCACGTGGACTCGCTCACGGATCACTCGTGCTCGG
 CCGAGTCGGACGGGAGAAGCTTCCGTGCCGCGCGCGGGGACCCCTGTGCGAATCGGGCTCGGAGTGCAA
 GGACAAGTATGACGACCTGGAGGACGACGAGGACGACGAGGAGGGCGAGCGGGGCTGGCGCCGCC
 AAGCCCGTGACCTCGTCGCCGCTTACCGGCTTGGAGGCGCGCTGCTGAGCCCCCGCCGAGGCCGCGC
 CCCGCGGTGGCCGAAGACGCCCCAGGGCAGCCGACGTCTCCGGGCGCGCCGCCGCCGAGCAAGCC
 CAAGCTGTGGTCGCTGGCCGAGATCGCCACGTCCGACCTCAAGCAGCCGAGCCTGGGCCCGGGCTGCGGG
 CCACCGGGGCTGCCCGCGGCCGCCGCGCGCTCAACCGGGCACCGCCAGGAGGCTCGCCCTACCCTG
 CCTCGCCGCTGCTGGGCCGCCCTCTACTACAGTCGCCCTTCTACGGCACTACACAACTACGGGAA
 CTTGAACGCGGCGCTGCAGGGCCAGGGTCTCCTGCGGTACAACCTGCGGCGCGGCCGCCCGCGAGGCC
 CTGCACACCGCGCAAGGCGGCGAGCAGCGGGCAAGGCGGGCGCGCACCCGCTCGAGTCCCACTACC
 GGTCCCCGGGCGCGGCTACGAGCCCAAGAAAGATGCCAGCGAGGGCTGCACCGTGGTTGGCGGGGCGT
 CCAGCCCTACCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225797 representing NM_001134222
 Red=Cloning site Green=Tags(s)

MSYPQGYLYQAPGSLALYSCPAYGASALAAPRSEELARSASGSFSPYPGSAAFTAQAATGFGSPLQYSA
 DAAAAAGFPSYMGAPYDAHTTGMTGAISYHPYGAAYPYQLNDPAYRKNATRDATATLKAWLNEHRKNP
 YPTKGEKIMLAIIITKMTLTQVSTWFANARRRLKKENKMTWAPRNKSEDEDEGEDATRSKDESPDKAQEG
 TETSAEDEGISLHVDSLTDHSCSAESDGEKLPCRAGDPLCESGSECKDKYDDLEDDDEEGGERGLAPP
 KPVTSSPLTGLEAPLLSPPPEAAPRGGRKTPQGSRTSPGAPPPASKPKLWSLAEIATSDLKQPSLGP GCG
 PPGLPAAAPASTGAPPGSPYPASPLLGRPLYTSPFYGNYTNYGNLNAALQGQGLLRNSAAAAPGEA
 LHTAPKAASDAGKAGAHPLESHYRSPGGGYEPKKDASEGCTVVGGGVQPYL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001134222

ORF Size: 1413 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001134222.2](#)

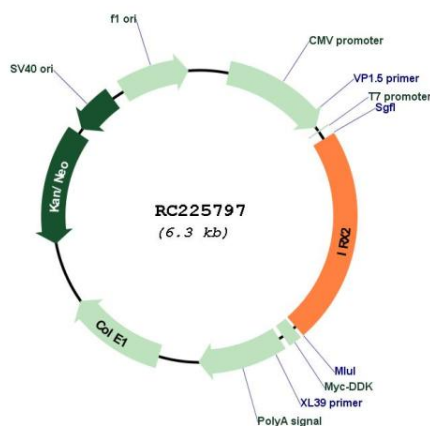
RefSeq ORF: 1416 bp

Locus ID: 153572

UniProt ID: [Q9BZ11](#)

Cytogenetics:	5p15.33
Protein Families:	Transcription Factors
MW:	48.9 kDa
Gene Summary:	IRX2 is a member of the Iroquois homeobox gene family. Members of this family appear to play multiple roles during pattern formation of vertebrate embryos.[supplied by OMIM, Apr 2004]

Product images:



Circular map for RC225797