

## Product datasheet for **RR206744**

### Irx5 (NM\_001030044) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Irx5 (NM_001030044) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irx5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR206744 representing NM\_001030044  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTACCCGAGGGCTACTGTACCAGCCGTCGCCCTCGCTGGCGCTCTACTCGTCCCCGCATACA  
 GCACCAGCGTCATTTTCGGGGCCCGCACGGATGAGCTCGGCCGCTTCTTCGGGCTCCGCATTCTCGCC  
 CTACGCTGGCTCCACTGCCTTACCGGCTCCCTCGCCGGGTACAACCTCGCACCTCCAGTACGGTGCCGAT  
 CCCGCGGCTGCGGCCGCCGCCGCTTCTCGTACGTGGGCTCTCCCTATGACCACACTCCCGGTATGGCGG  
 GTTCTTTGGGATATCACCTTACGCCGACCTCTGGGCTCCTATCCTTATGGGGATCCCGGTACCGGAA  
 GAACGCCACTCGGGACGCCACTGCCACTCTCAAGGCTGGCTCAATGAGCACCGAAAGAACCCTATCCC  
 ACTAAGGGCGAGAAGATCATGCTGGCCATCATACCAAAATGACCCTCACCCAGGTGTCCACCTGGTTCCG  
 TCAACGCGCGCCGCCCTCAAGAAAGAGAACAAGATGACGTGGACGCCACGGAACCGCAGCGAGGACGA  
 GGAGGAGGAGGAGAACATTGATCTGAAAAGAACGACGAGGACGAGCCACAGAAGCCCGAGGACAAGGGC  
 GACCTCGAGGGCCCCGAAGCAGGAGGAACAGAGCAGAAGGCGGCTGCGGGCTGCGAACGGCTGCAGGGGC  
 CGCTCAGCCCCGCCGGAAGGAACTGAAGGCAGCCTCAGCGACTCGGATTTAAAGAGTCGCCCTCCGA  
 AGGCCGCCACGATGACCTGCCAGGCCCCCGCGTGCAGGCGAGCCCTCCCGGCTGGGCCCGCAACTGCG  
 CGTCTGGCGGAGGATGCGGGTCTCACTACCCTGCGGGTGCGCCGGCGCCCGGCCCGCACCCATCAGCCG  
 GAGAGTTGCCCCCGGCTCGGGCGGATCCTCGGTATCCACTCACACCGCCACCTCCGCCACCGCTCC  
 GGCCGTCTAGCAAGCCAACTGTGGTCTCTGGCAGAGATAGCCACATCCTCGGACAAGTCAAGGAC  
 GGGGGCGGAGGGAGCGAGGGCTCTCCGTGCCACCGTCCCGGGGCCATAGGCGGGCAAACCCTGGAG  
 GCAGCCGCGTCTCCTGCTCCGGCGCCGACGCTCACCTCGGCGCAGTGTCCCTTTCTGGCGGGG  
 CGTGCTGTCCCGCCTCTACTACACGGCGCCCTTCTATCCGGGCTACACGAACTATGGCTCCTTCGGA  
 CATCTTACGGCCACCCAGGGCCAGGGCCAGGCCCTACAGCGGGTCTGGCTCTCATTTCATGGATTAA  
 ACCAGACGGTGTGAATCGTGCGGACGTTTTGGCTAAAGACCCGAAAATGTTGCGGAGTCAGTCTCAGCT  
 AGACCTGTGCAAAGACTCCCCCTATGAATTGAAGAAAGGTATGTCCGACATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206744 representing NM\_001030044  
 Red=Cloning site Green=Tags(s)

MSYPQGYLYQPSASLALYSCPAYSTSVISGPRTDELGRSSSGSAFSPYAGSTAFTAPSPGYNSHLQYGAD  
 PAAAAAAAFSYVGSYPYDHTPGMAGSLGYHPYAAPLGSYPYGDPAAYRKNATRDATATLKAWLNEHRKNPYP  
 TKGEKIMLAIITKMTLTQVSTWVFNARRRLKKNKMTWTPRNRSEDEEEENIDLEKNDDEPQKPEDKG  
 DLEGPEAGGTEQKAAAGCERLQGPLSPAGKETEGSLSDSDFKESPEGRHDDLPRPPRAGEPSPAGPATA  
 RLAEDAGPHYAPAGAPGPHPSAGELPPGSGGSSVIHSPPPPPPPPAVLAKPKLWLAETATSSDKVKD  
 GGGGSEGPSPPCPGPIGGQTLGGSRASAPAPARSPSAQCFFPGGTVLSRPLYYTAPFYPGYTNYSFG  
 HLHGHPGPGPGPTAGPGSHFNGLNQTVLNRADVLAKDPKMLRSQSQLDLCKDSPYELKKGMSDI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001030044

**ORF Size:** 1452 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.

**RefSeq:** [NM\\_001030044.1](#), [NP\\_001025215.1](#)

**RefSeq Size:** 1455 bp

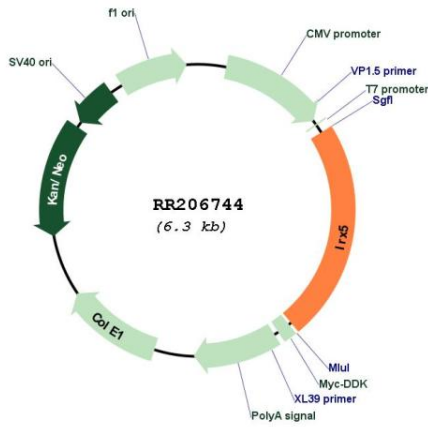
**RefSeq ORF:** 1455 bp

**Locus ID:** 498918

**Cytogenetics:** 19p11

**MW:** 50.7 kDa

Product images:



Circular map for RR206744