

Product datasheet for **RR206995**

Xpc (NM_001107874) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xpc (NM_001107874) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xpc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR206995 representing NM_001107874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCCAAAGCGTACCGCAGGCGGAAAGCGGAGGAAGCGCGGCCAGGAAGCCGAGGACAACAAGCAA
 CCCGGCCTGAGGAGAGCGATGCGGACGACTTTGAAGATGAGAAACAGAAACCCCAAGGAAGTGCTTTCT
 CCCGAAAGTTTCCCAAGGAAAGAGGAAGAGAGACTGCAGTGATCCAGGGACCCCAAAATGGTGCAGCA
 AAAAAGAAAGTGGCCAAAGCCACCACTAAGTCCAAGAATCTCAAGGCTGTGAAGGAGGAAGCACTCAGCG
 ACGACGGGGATGATTTCCGGGACTCATTGAGTAACTGCAGAAAGGCAAAGAAACATCCCAAAAGAGAGGT
 GGTGGACCAAGGCACCGATGAAGATGACAGCGAGGATGACTGGGAGGAGTGAAGAAGTACTGAGCCT
 GTGCTGGACATGGGAGAAAATTCTGCTACCTCGCGGTCTGACCTGCCTGTGAAGGCAGTGGAGATAGAAA
 TTGAAACACCAGAGCAGGCGAAGGCACGGGAAAGAAGTGAAGAATAAAGATGGAGTTTGAGACATACCT
 GCGGAGGATGATGAAGCGTTTCAATAAGGAAGTGCAGGAGAATGCACAAGTTCACTTGTGTGCTGT
 CTGGCCAGTGGCTTCTATCGAAAATAGCATCTGCCAGCAGCCAGATCTGTGGCCATCGGCCCTCTCCATCA
 TCCTATTTCGCTTACCAAAGTGCCACTTCAAGACCGGGATGTCTACTACCTTTCAAACCTGGTAAAGTG
 GTTCATTGGAACCTTCACTGTCAATGCTGACCTTTAGCCAGTGAAGCAGGACAGCCTGCAGACGACCTTG
 GAAAGGAGGATCGCCATTTACTCTGCGAGGGATAATGAAGAGTTGGTCCATATATTTCTTCTGATTTCT
 GGGCTCTGCAGCTGTCAACCCGGCTGGTCTTGTCTCTGCAGCCATTCCACTGAAGTCACTGTGGCAA
 GGGGAAGAAATCTTCAAGGAGACATCTTAGAGGGTCTGGAGACTCTCAGAACCTTCTAGTAACATT
 CCAGAAAGCCACAACAACCCCAAGACCAGCAAAAGAATCAAACAAGAAGAAACCTTGTCTGAAGGCAGTG
 GCAAGCCAAATGCCAGAGGAAAGAGAGGCACTGCCACCGCTGGCAGCAGGCAGCAGAGGAAAGCCCTCTG
 CAGCGAGGGAGAGGAGGCCAAGCAGGAAATCCAGAGCCATCCACAGGCCCAAGAGCGCGTGTGGCTGCC
 AAGGTGTCTTACAAGAGGAGAGTGAGAGTGATGGGCGAGGCAGTGGCTCTGACTTTGAACTGTCCAGTG
 GGGAGGGCCAGCATTCCTCTGATGAGGATTGTAAGCCTGGCCCTCGAAAGCAGAAGAGGGCCTCAGCTCC
 TCAGAGGTCAAAGGCTGGTTCTAAGAGTCTTCAAGACCCAAAGTGGGAGCCAATGGGAGCCACCAAGC
 TTTTCAGTGGCATCTTCAAGCTCTTCAAGCTGCAAGCGAGGCAAGAAGATTTCTGTGGTGGTGAAGAGA
 CAGATGATAGGAAAGCTGCTGGTGTAGACCAGTGGCTCGAGGTGTCTGTGAGCCACAGGCAAAGTGGGT
 GTGTGTGGACTGTGTGCATGGTGTGGTGGGCCAGCCTGTGGCCTGTTACAAATATGCCACCAACCCATG
 ACCTATGTTGTAGGCATTGACAGTGATGGCTGGGTCCGAGATGCTACTCAGAGGTATGACCCAGCCTGGA
 TGACAGCAACCCCAAGTCCCGGTTGACGCTGAGTGGTGGGCTGAGACTTTGAGGCCATCGGAGCCC
 ACTTACCAGAGGGAGAAGAAGGAAGACCAGGAGTTTCAGGCAAAGCACCTGGACCAGCCTTTGCCACC
 TCCATCAGCACATAACAAGAACCCCTCTGTATGCCCTGAAGCGCCACCTCTTGAATTCAGGCTATTT
 ACCCTGAGTCAGCTGCGGTCTTGGGATTTGTCGTTGGAGAAGCTGTCTATTCCAGGGATTGTGTGCATAC
 CTTGCACTCCAGGGACACGTGGCTGAAGCAAGCAAGAGTGGTGGCGCTGGAGAAGTGGCCATAAGATG
 GTGAAAGTTTTCTAACCCTGCCCGGAAAGCCCGCTTTCGGAGCCCCAGCTGCATGACCACAATGACT
 TGGCCCTCTTGGTCACTGGCAGACAGAAGAGTATCAACCTCTGTGGCTGTAGACGGGAAGGTGCCCG
 GAATGAGTTTGGAAAGTGTACCTCTTCTGCCAGCATGATGCCTATCGGCTGTGTCCAGATGAACCTA
 CCCAACCTGCACCGCTGGCCCGAAGCTGGGCATCGACTGCGTGCAGGCCATCACTGGCTTCGATTTCC
 ATGGAGGCTATTGCCACCAAGTAACTGATGGCTACGTTGTCTGTGAGGAATTCAGAGATGTGCTGTGGC
 TGCTTGGGAGAATGAACAGGCCCTCATTGAAAAGAAGGAAAAGGAGAAAAAGGAAAAGCGGGCACTGGG
 AACTGGAAGCTGCTGGTCAAGGACTGCTCATCAGAGAAAGGCTGAAACTCCGCTACGGGCCAAGAGTG
 AGGCAGCAGTCCCCATGCAATGCAGGAGGCGGACTCTCTTCTGATGAAGAGGAAGGGACCAGTTCACA
 AGCAGAAGCTGCCAGAGTTCTGGCTGCTTCTGGCCACAGAACCAGAGACTAAAGAAGAACAGAAGCCC
 GACTACACGAAGATGACTCGGAGAAGGCGGGCAGCAGAGGCTTCCATCTCTTCCATTTGAGAAGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR206995 representing NM_001107874
 Red=Cloning site Green=Tags(s)

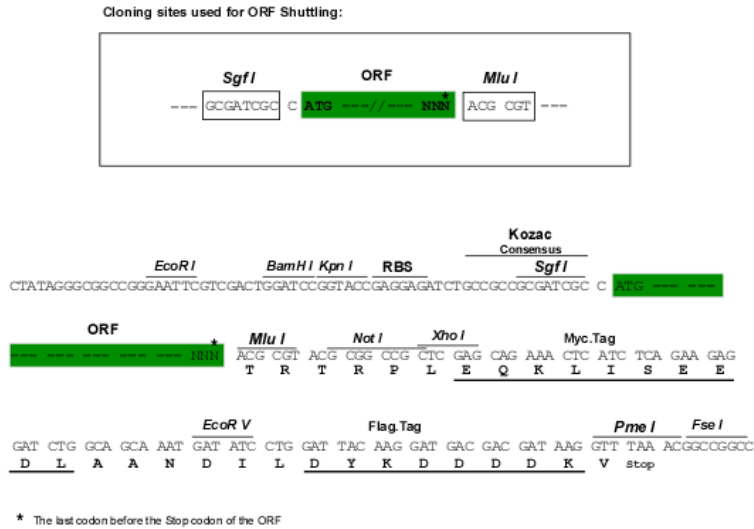
MARKRTAGGKRRKRGQEAEDNKATRPEESDADDFEDEKQKPPRKCF LPKV SQGKRKRDCSDPGDPTNGAA
 KKKVAKATTKSKNLKAVKEEALSDGDDFRDSL SNCRKAKKHPKREVVDQGTDEDDSEDDWEEVEEL TEP
 VLDMGENSATSRSDL PVKAVEIEIETPEQAKARERSEKIKMEFETYLRRMMKRFNKEVQENMHKVHLLCL
 LASGFYRNSICQQPDLLAIGLSIPIRFTKVPLQDRDVYVLSNLVKWFIGTFTVNADLSASEQDSLQTTL
 ERRIAIYSARDNEELVHIFLLILRALQLLTRLVLSLQPIPLKSAVAKGKSSKETSLGPGDSSEPSNI
 PESHNKPKTSKRKIQEETLSESGKANARGKRGATAGSRQQRKPCSEGEEAKQEIQSHPQAQKRRVAA
 KVSYKEESESDGAGSGDFELSSGEGQHSSDEDCKPGPRKQKRASAPQRSKAGSKSASKTQSGSQWEPSS
 FSVASSSSACKRGKKISCGGEEDDRKAAGVDQWLEVFCEPQAKWVCVDCVHGVVGPVACYKYATKPM
 TYVVGIDSDGWVRDVTQRYDPAWMTATRKCRVDAEWWAETLRPYRSPLTEREKEDQEFQAKHLDQPLPT
 SISTYKNHPLYALKRHLKQAIYPESA AVLGYCRGEAVYSRDCVHTLHSRDTWLKQARVVRLGEVPYKM
 VKGFSNRARKARLSEPLHDHNDLGLFGHWQTEEYQPPVAVDGKVPVPRNEFGNVYLF LPSMMPIGCVQMN
 PNLHRVARKLGIDCVQAITGDFHGGYCHPVTDGYYVCEEFRDVLLAAWENEQALIEKKEKEKKEKRALG
 NWKLLVRGLLIRERLKLRYGAKSEAAAPHANAGGGLSSDEEEGTSSQAEARVLAASWPQNRETKEEQK
 DYTkmTRRRRAEASHLFPFEKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

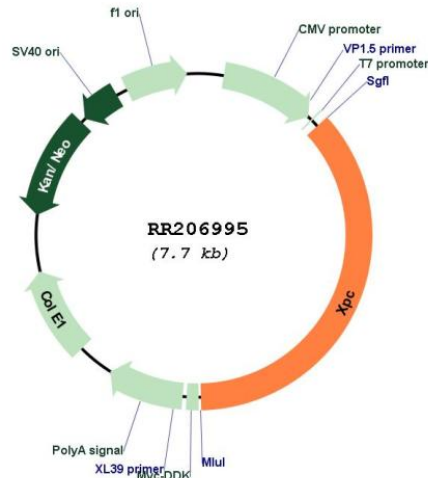
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107874

ORF Size: 2799 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_001107874.1](#), [NP_001101344.1](#)

RefSeq Size: 3633 bp

RefSeq ORF: 2802 bp

Locus ID: 312560

Cytogenetics: 4q34

MW: 104.9 kDa