

Product datasheet for **RN208062**

Erc5 (NM_001106910) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erc5 (NM_001106910) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Erc5
Synonyms:	Xpg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208062 representing NM_001106910
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGTGCAGGGGCTGTGGAAGTTGCTGGAGTCTCTGGCCGCCGGTTCAGCCCGGAGGCGCTAGAGG
 GCAAGGTCTGGCCGTGGATATTAGCATTGGCTAAACCAAGCACTTAAAGGAGTCCGAGATCGCCATGG
 AAATGCAATAGAAAATGCTCATCTTCTCACATTATTCCACCGGCTCTGCAAACCTTTGTTTTCCGCATC
 CGTCTATTTTTGTATTTGATGGTATGCTCCACTGCTAAAGAAACAGACCTTGGCAAAGAGAAGGCAGA
 AGAAGGATTCTGCATCCATTGACTCGAGAAAACACAGAGAAGCTTCTGAAAACCTTTCTGAAGAGACA
 GGCTCTGAAAACGCCTTCAGAAGCAAAAGAAATGAAGTGTACCCAGTCTTACTCAAGTCAAAGAGAG
 GATGACATCTATTTTTGCCACCTTTACAAGAGGAAGAAAACATAGTTCAGAAGAGGAAGATGAAAAGC
 AATGGCAAGCAAGATGGATCAAAGCAAGCTTTGCAGGAAGAATCTTTATAATCCTCATGCCATAGA
 TATCGAGTCTGAGGATTTAGCAGCCTGCCTCCTGAGGTAAAGCATGAGATCTTGACTGACATGAAAGAG
 TTTACCAAGCGAAGACGGACATTGTTTGAAGCAATGCCAGAGGAGTCTAATGACTTTTCACAGTATCAGC
 TGAAAGGCTTGCTTAAGAAAACTACCTAAACCAGCACATAGAAAATGTCCAGAAGGAAATGAACCAGGA
 ACATTCAGGACAAATCCAGAGGCAATATGAAGACGAGGGAGGCTTTCTGAAGGAAGTTCGAGTTCGAGGAGA
 GTGGTTGCTGAAGACACCTCACACTACATCTTGATAAAAAGGAATCAAGGAAAGAAAGTTCGTTGATGTGG
 ATTTAGAATCTCTTCTTCCAGCAAAGAACACAGTGTGTCTTCAACCTGAAGTTCATCACCTTATGA
 GAAAGTGAAGCCAGAGAGCGAGCCAGAGGCCACACCTCCTTCTCCAAGAACTTTACACGCTATTCAGTA
 GCCATGCTGGGAGGTAGCTCAGAAGAGGAGCCGGAGAGTGGAGAAGGAGGGCAGTCAAGGAGAGAAGTG
 CGTGGCCACTGCAGATGCAGGCTCCATTTACCACAGACCTGTGCAGCTATTCAGAGAGCTCGGATGA
 TGATGAAGAGGAGAGAATGTGTGCCAGCAGTGATAATCTGGCCGTGGAATGCTGCTTGGAAATGGTCTG
 AAGCAGGAGCACGCTGATGAAGTGGTAGTAAAAGTGGAGGCGTCCACTTGACACAGCATCTTTTTAC
 CCAGTGTGACTGAGGTAGAGGAGTGTGTGGCCAGTGCCAGCAATGACAAAGAGCAGACAGCCTCAACTCA
 TGCATCTAGTACTGCTTGTATCCAGGTGAAGTCCCAAAGAAACAGTATCTCTGCTCATGTGGTGAAGT
 GAAGCATCTCAGATAAGTAGTGTGAGTGTGAGGTCGCTGGTAGGCCAGTTCCTTCCCTCAGCATTATAG
 AAACCTCCATGCAGTTATGCCTCTGGGGTCTCAGTGAAGGGAACCTCACCTGGCACCTCCAATAAGAAC
 ACATTCATCAGAGGACGAGCATAGACCCTGAAGAGCCTGAGCTACAAAATGGACTCTGCCACCCAAG
 AACACGTGTAATTCCTCTCATCTTTCAAGTGTATGAAACAGAAAGTGGACAAAATCCTGCTTCCAAG
 CAGGTAGCACAGTTCATGTCCTTCAGAGGCAGTAGGTAAAGTAAAGAAAGGTGCTGCTTCTAATGCTGA
 AGAACATGGAGATTTCCAGAAAATATCCAGCTATGGGAGATGCCTGAGGCTGCTGCCAGGGAGCTGATT
 TCAGCCCCAGAGTCCCTGGGACCAGTGGAGATGGAGTCTGAAGAGAGCGAGTCTGATGGAAGTTTCATTG
 AGGTGCAGAGTGTGATCAGCAATGATGAACTTCAAATAGAGTTCATCAGAGATTTCTAAGCATCTCTCTGA
 AAAAGATGCAGAGGAACCTAAAGAACTCTGGAGGAAGGAAGCCCAAGGAAACACAGAGTGCCTCTACAA
 GACAGCTCTGACATCAAGGCAATGAAGGAACACAGAAAAGAAGACAGAGGTGCTGAGGACTACCCGACG
 AATGGCAAGATGTTAATTTGGAGGAAGTGGATGCCCTGGAGAGTAACTCTTAGCAGAACAGAATTCAT
 GGAAGCTCAAAAACAGCAGCAAGATCGGATTGCTGCCTCTGTAACAGGCCAGATGTTTCTGGAAGGCCAG
 GAACTCCTGCGTCTCTTTGGCATTCCCTACATCCAGGCTCCCATGGAGGCAGAGGCACAGTGCGCCATTC
 TGGACCTCACTGATCAGACTTCTGGAACATTACTGATGATAGTATCTGGCTGTTTGGGGCCCGGCA
 TGTCTATAAGAATTTTTTAAACAAAACAAGTTTGTAGAGTACTATCAGTATGTGGACTTTTACAACCAA
 TTGGAGAGTGGTGGCACAAAGCTCAAAATAACAAGAAGGCTGCAGAAAATCCCTATGACACCAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001106910
Insert Size: 2589 bp

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_001106910.1</u> , <u>NP_001100380.1</u>
RefSeq Size:	3750 bp
RefSeq ORF:	2589 bp
Locus ID:	301382
Cytogenetics:	9q22
Gene Summary:	putative member of the excision repair cross-complementaing repair deficiency family; shares sequence homology with mouse Erc5 and thus may play a role in DNA repair activities [RGD, Feb 2006]