

Product datasheet for **RR201063**

Irak3 (NM_001108101) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irak3 (NM_001108101) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irak3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201063 representing NM_001108101
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGCCCGTGC GG GCGCCGTTGGTACGCTGTGC CACACTCGCTGCTTTCGACCTGCCGCCGCGC
 TGCTGGGCGAGCTGTGCACGATCCTGGATAGCTGCGATGGTCCGCTGGGCTGGCGGGCCTGGCGGAGCG
 ACTTTCAAACAGCTGGCTGGATGTTCTGTCATATTGAAAAATATGTACACCAAGGTAAAAGTGAACAAGA
 GAATTGCTGTGGTCTGGGCGCAGAAAAACAAGACCATTGGCGACCTTTTACAGGTTCTCCACGAGATGG
 GGCATCAACGAGCTATCCATCTAATCATGAACTATGGAGTAAACTGGACTCCTCCAGTGCAGACTCATCA
 CGAGCTTCGATTTCCCACTTACCACCTAACTCGAAGCCTGTGTGCAGAGAAAGTACCCCGGACCTCTG
 GAGCTAGCCAATGTCACAGTGGATAATGTTCTTGTTCCTGAACATAATGAAAGAGGAGTAGTACTGCATA
 AGACCCCTATCAGCTTCCAAAGTATCCTAGAAGGAACCAACATTTCCACAAAGACTTCTAATTGGAGA
 AGGGGAGATATTTGAAGTATACAGAGTGGAGATTAGAAACCAACATACGCCGTTAAATTATTTAAACAG
 GAGAAAACAATGCAGCTTAAGAAGCACTGGAAGAGGTTTTTGTCCGAACTGGAAGTTTTACTCCTGTTC
 ATCACCCCCACATACTAGAGCTGGCTGCATATTTACAGAGATGGAGAACTTTGTCTGGTTTATCCCTA
 TATGAGCAATGGGACACTTTTCGACAGATTACAGTGCACAAATGGCACAACCCCACTTTCTCTGGCAGCT
 CGAATCAGTGTGTTGATAGGAATAGCCAAAGCCATCCAGTGTTCGACAACACCCCGCCGTGTGCCGTCA
 TCTGTGGCAACATTTCCAGTGCACAACTACTCTGGATGACCAGTTCCAAACCAACTAACCGATTTTGC
 CGCGGCGCACTTCCGACCCACCTAGAGCAGCAGAGTTTACCATAAATATGACCGGCAGCGCAGGAAG
 CATCTGTGGTACATGCCGGAAGAATACATCAGACAGGGAAGACTCACCATTAAAACGGACGCTACAGCT
 TTGGAATCGTGATCATGGAAGTTCTAACGGGCTGCAAAGTGGTGTGATGCCAAAACATGTTTCAGCT
 GAGGGACCTCCTCATGGAAGTGGTGGAGAAGAGAGGCCTAGACTCCTGCCTCTCGTTCTTGGACAGGAAG
 ATACCGCCTGTCTCGAACTTCTCTGCCAAGCTCTTCTCTCTGGCGGGCCAGTGTGTGCCAACTCGGG
 CCAAGTTAAGACCACGATGGACGAAGTCTGAACACTCTGGAGAGCACACAGCCTAGCTTGTATTTTGC
 AGAAGACCCTCCCACTTCTTGAAGTCTTTCAGGTGTCTTCTCTCTGTCTTGGATAATGTTCCAAGT
 ATTCCAGTAGAAGATGATGAAAACCAGAATAACTATCCAGTACCTCCCAAGGAAGCTTTGAGGACAGATA
 GAGTGACACAGAAAACCCCTTTGAATGCAGCCAGTCTGAGGTACCTTTCTGGGCTTGGATCGAAACAA
 AGGGAACAGGGGAAGTGAAGCTGCTTGAACATGCCAGTCTTCTTGTGAGGAATGCTGGTCCCAGAG
 CTTGCGGAAGCATCCCAGGACTTAAAGCCTACTGTGATCAGTTTGGGGTCTTCTTGGGAAGTACCAGGCT
 ATTCTTATGGGAGCAAGCAATGGAGAAGAGGTGTTCTCTGGACTCTTTTGCAGTGAGCACGAACAGTC
 CAAAAGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201063 representing NM_001108101
 Red=Cloning site Green=Tags(s)

MAGPCGARGT LSPHSLLFDLPPALLGELCTILDSCDGPLGWRGLAERLSNSWLDVRHIEKYVHQKSGTR
 ELLWSWAQKNKTI GDLLQVLEHMGHQRAIHLIMNYGVNWT PPVQTHHELRFPNLPPNSKPVCRESDP GPL
 ELANVTVDNVL VPEHNERGVVLHKTPISFQSILEGKHFHKDFLIGEGEIFEVYRVEIRNQTYAVKLFKQ
 EKTMLQKKHWKRF LSELEVLLL FNHPHILELAAYFTEMEKLC LVYPYMSNGTLFDRLQCTNGTTPLSHWV
 RISVLIGIAKAIQCLHNTRPCA VICGNISSANILLDDQFQPKL TDFAAAHFRPHLEQQSSTINMTGSGRK
 HLWYMPEEYIRQGR LTIKTDVYSFGIVIMEVL TGCKVVLDDPKHVQLRDLMLVEKRGLD SCLSF LDRK
 IPPCPRNFSAKL FSLAGQC VATRAKLRPTMDEV LNTLESTQPSL YFAEDPPTSLKSFRCPSPLFLDNVPS
 IPVEDDENQN NYPVPPKEALRTDRVTQKTPFECSQSEVTF LGLDRNKGNRGSEAACNMPSSSCEECWCPE
 LAEASQDLRPTV I SLGSSWEVPGYSYGSKPMEKRCSSGLFCSEHEQSKRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

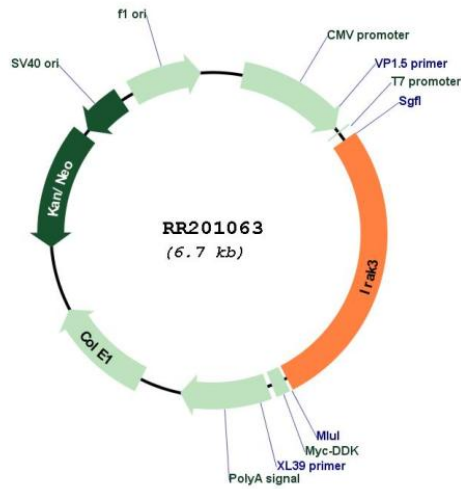
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001108101

ORF Size: 1830 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:	<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_001108101.1 , NP_001101571.1
RefSeq Size:	2972 bp
RefSeq ORF:	1833 bp
Locus ID:	314870
Cytogenetics:	7q22
MW:	69 kDa