

Product datasheet for **RN205372**

Ireb2 (NM_022863) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ireb2 (NM_022863) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ireb2
Synonyms:	Irp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205372 representing NM_022863
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCCCAAGTGCAGGATACACCTTTGAGTACCTTATTGAAACATTAATGGCAGTTCACAGAAGA
 AGTTCTCAATGTACCTAACTTGGAGGCACCAAGTATGATATTCTGCCTTACTCAATACGGGTCCTATT
 GGAAGCTGCTGTACGAAATTGTGATGGATTTTTAATGAAAAAGGAAGATGTTATAAATTTTTGGACTGG
 AAAACCAAACAAAGCAATGTTGAAGTGCCTTTTTCCCGCCCGTGTGTTCTTCAAGATTTCACTGGAA
 TACCGCAATGGTGGATTTTGTGCTATGAGGGAGGCAGTAAAACTCTTGGAGGTGATCCTAAGAAAGT
 CCACCCTGCCTGCCACAGATCTCACAGTTGACCCTTTACAGATTGACTTCAGTAAATGTGAATA
 CAGAATGCACCAATCCTGGAGGTGGTACCTACAGAAAGCAGGAAAGCTCTCTCCACTTAAAGTACAGC
 CTAAGAAGCTTCCATGTCGAGGCCAGACTACCTGCCGGGATCGTGTATTCTGGAGAATAAGCCGAAA
 CTCAGGAACATTTCTTCGAGATTGAGAATACGCTGTCTGTCCCTTTTCAATTTGCAACCAGTGCCT
 GAACCTGAGACGGTGTAAAAAATCAAGAAGTAGAATTTGGCAGAAATCGAGAGAGGCTTCAATTTTTCA
 AGTGGAGCTCAGGAGCTTTAAGAATGTGGCAGTCATCCCTCCTGGAACCTGGAATGGCTCATCAAGTGAA
 CTTAGAACATTTGTGCGAGTAGTGTGTTGAAGAAGCCGACCTGCTCTCCAGACAGCGTAATTGGCACA
 GATTCTCATATAACCATGGTGAATGGATTGGGAATTTCTGGTGGGGAGTTGGAGGCATTGAGACAGAGG
 CAGTTATGCTTGGCCTGCCAGTTACTCTTACTTTACCAGAGGTGGTTGGATGTGAGCTAACTGGGTGATC
 CAATGCTTTTGTACATCCATAGATATTGCTCCTAGGCATTACAAAGCACCTCAGGCAAGTAGGCGTGGCT
 GGAAAGTTTGTGAGTTCTTTGGAAGTGGAGTTTCAACAATTATCTATTGTCGATAGAATACTATAGCAA
 ACATGTGTCCCGAGTATGGTGTATCCTCAGCTTTTTCCCTGTTGACAATGTGACACTACGACATTTAGA
 ACATACAGGTTTTGACAAAACCAAACTTGAGTCAATGGAAGAATACCTTAAAGCTGTGAAATTTGTTGCA
 AATGATGAGAATTTCTTCAAGAACCTGAATATTCTCAGGTGATACAGATTAATCTGAATTCATAGTTGCAT
 CTGTGAGTGGTCCAAAAAGGCTCAGGATAGAGTTGCTGTAACAGATATGAAAAGTATTTTTCAGGCTTG
 CTTAAATGAAAAGGTTGGATTTAAAGGCTTCCAAGTTCAGCAGAAAAACAAAGTATACTGTCTCAGTT
 CGTTATGATGGAAGTGTGATAAGCTGTCCATGGGTCGGTTCATTGCTGCGGTTATCAGCTGTACCA
 ATAAGTCAATCCATCGGTGATGCTCGCTGCAGGTCTTTGGCTAAAAAGGCTGTTGAAACTGGTCTACG
 AGTTAAACCTTATATAAGAACAAGTTGTCTCCAGGCAGTGGGATGGTTACACATTACCTCAGTTCAAGT
 GGAGTGTACCTACCTAGCAAGCTAGGTTTTGAAATAGTTGGCTATGGATGTTCAACGTGTGATAGGAA
 ATACAGCACCTTTATCAGAAGCAATTTGAATGCAGTAAAACAGGCTGATTTGGTTACCTGTGGAGTTTT
 ATCTGGAACAAAAATTTGCAAGGTCGTCTTTGTGATTGTGTCGGTCTAATTATCTCGCCTCTCCACCC
 TTAGTGGTGGCTTACGCCATAGCAGGCACAGTGAATATAGATTTCCAGACAGAGCCATTAGTACTGACT
 CTACAGGCAAGAACATTTACCTGCATGACATTTGGCCTAGTCGAGAAGAAGTTTATCAGATAGAAGAAGA
 ACATGTTATTTTGTCCATGTTTAAAGCACTGAAAGAGAAAAGTAGAGATGGGAAATAAACGGTGGAAATTC
 TTAGACGCTCCAGATTCAGTGTGTTTCCATGGGATGTTAAGTCTACTTACATCAGATGCCCTTCATTTT
 TTGATAAACTTACCAAAGAACCAGCTGCATCCCAGCCTATTGAAAATGCCATGTCCTGTGTACTTGGG
 AGACTGTGCACTACAGACCACATACCTGCTGGAAGCATTGCTAGGAGCAGTCTGCTGCTAAGTAC
 TTGACAAAACAGAGGCCTTACTCCCCGAGAGTTCAACTCTTATGGAGCTCGAAGAGGTAATGATGCTGTGA
 TGACAAGAGGCACGTTTGCAAAACATCAAGCTTTTTAATAAGTTTATTGGGAAGCCAGCTCCCAAAACAAT
 TCATTTTCCATCAGGACAGACGCTCGATGATTTTGAAGCTGCAGAATTATACAAAAAGAAGGTATCCCA
 CTGATAATTTTAGCAGGAAAAAATATGGTTCAGGAAATCAAGAGACTGGGCTGCGAAAGGACCCTATT
 TGCTGGGTGTAAGGCTGTTTTGGCTGAAAGCTATGAAAAGATACACAAAGATCATTGATTGGAATTTGG
 TATAGCACCCTTGAGTTCTCCAGGAGAAAATGCAGATTCCTTGGGCTCTCCGGCAGAGAAGTATTT
 TCTTTATCATTTCTGAAGAATCTTTCTGGAATTACGTTAAATATAAAGACGAGCACTGGCAAAGAGT
 TCAGCGTATTGCAGCATTGAAAATGATGTGGAGATAACTTTGTACAAACATGGAGGATTGTTAAACTT
 GTGGCTCGAAAATTTCTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022863
Insert Size:	2892 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:	NM_022863.2 , NP_074054.2
RefSeq Size:	3323 bp
RefSeq ORF:	2892 bp
Locus ID:	64831
UniProt ID:	Q62751
Cytogenetics:	8q24
Gene Summary:	RNA-binding proteins that bind iron-responsive elements (IREs) [RGD, Feb 2006]