

Product datasheet for **MG226153**

Ireb2 (NM_022655) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ireb2 (NM_022655) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ireb2
Synonyms:	D9Ertd85e; Irp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG226153 representing NM_022655
 Red=Cloning site Blue=ORF Green=Tags(s)

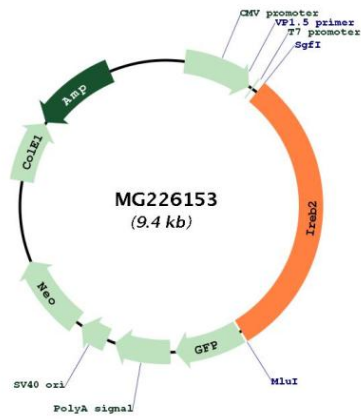
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCCCAAGTGCAGGATACACCTTTGAGTACCTTATTGAAACATTAATGGCAATTCACAGAAGA
 AGTTCTTCAATGTACCTAACTTGGCGGCACCAAGTATGATATTCTGCCTTACTCAATACGGGTCCTATT
 GGAAGCTGCTGTACGAAATTGTGATGGCTTTTTAATGAAAAAGGAAGATGTTATGAACATTTTGGACTGG
 AAAACCAAACAGAGCAATGTTGAAGTGCCTTTTTCCCTGCCGTGTTGTTCTTCAAGATTTCACTGGAA
 TACCGCAATGGTGGATTTTGTGCTATGAGGGAGGCAGTAAAACTCTTGGAGGTGATCCTAAGAAAGT
 CCACCCTGCCTGCGACAGATCTCACAGTGGACCCTTTACAGATTGACTTCAGTAAATGTGAATA
 CAGAATGCACCAATCCTGGAGGTGGTACCTACAGAAAGCAGGAAAGCTCTCTCCACTTAAAGTGCAGT
 CTAAGAAGCTTCCATGTCGAGGCCAGACTACCTGCCGGGATCGTGTATTCTGGAGAGCTAAGCCGGAA
 CTCAGGAACATTTTCTTACAGATTGAGAATACACCTGTCTTGTGTCCTTTTCATTTGCAACCAGTGCCT
 GAACCTGAGACAGTGTAAAAAATCAAGAAGTAGAATTTGGCAGAAATCGAGAGAGGCTTCAGTTTTTCA
 AGTGGAGCTCAGGAGCTTTTAAGAATGTGGCAGTCATCCCGCCTGGAACCTGGAATGGCTCATCAAGTGAA
 CTTAGAATATTTTCAAGAGTAGTTTTTGAAGAACCGACCTGCTCTTCCAGACAGTGTAGTTGGCACA
 GATTCTCATATAACCATGGTGAACGGATTGGGGATTCTTGGTGGGGAGTTGGTGGCATTGAGACAGAGG
 CAGTTATGCTTGGCCTGCCAGTACTCTTACTTTACCAGAGGTGGTTGGATGTGAGCTAACTGGGTCATC
 CAATGCTTTTGTACATCCATAGATATTGTCCTTGGCATTACAAAGCACCTCAGGCAAGTAGGCGTGGCT
 GGAAAGTTTGTGAGTTCTTTGGAAGTGGAGTTTCAACAATATCTATTGTCGATAGAATACCATAGCAA
 ACATGTGTCCAGAATATGGTGTATCCTCAGCTTTTTCCCTGTTGACAATGTGACACTACGACATTTAGA
 ACATACAGGTTTTGACAAAACCAAACTTGAGTCAATGAAAAAATACCTTAAAGCTGTGAAATTTGTTTGA
 AATGATGAGAATTTCTTCAAGAACCTGAATATTCTCAGGTGATACAGATTAATCTGAATTCATAGTTGCAT
 CTGTGAGTGGTCCAAAAAGGCTCAGGATAGGGTGTGCTAACAGATATGAAAAAGTATTTTTCAGGCTTG
 CTTAAATGAAAAGGTTGGATTTAAAGGCTTCCAAGTTCAGCAGAAAAACAAAGTACACTGTCTCTGTT
 CGTTATGATGGAAGTGTGATAAGCTGTCCATGGATCCGTGGTTCATTGCTGCAGTTATCAGTTGTACCA
 ATAATTGCAATCCATCTGTGATGCTTGTGTCAGGTCTTCTGGCTAAAAAGGCTGTGAAATTTGGTCTACG
 AGTTAAACCTTATATACGAACAAGTTTGTCTCCAGGCAGTGGGATGGTTACACATTACCTCAGTTCAAGT
 GGAGTGTACCTATCTTAGCAAGCTAGGTTTGCATAGTTGGCTATGGATGTTCAACATGTGTAGGAA
 ATACAGCACCTTTATCAGAAGCAGTTTTGAATGCAGTAAACAGGGTATTTGGTTACCTGTGGAGTTTT
 ATCTGGAACAAACATTTTCAAGGCCGTCTCTGTGATTGTGACCGTGCCAATTATCTCGCCTCTCCGCC
 TTAGTGGTGGCTTATGCCATAGCAGGCACAGTGAATATAGACTTCCAGACAGAGCCTTTAGTACTGACT
 CTACGGGCAAGGAAATTTACCTGCATGACATTTGGCCTAGTCGAGAAGAAGTTTATCAGATGGAGGAAGA
 ACATGTTATATTGTCAATGTTTAAACACTAAAAGAGAAAAGTAGAGATGGGAAATAAACGGTGGAAATTCG
 TTAGAAGCTCCAGACTCCGTGCTGTTCCATGGGATGTGAAGTCTACTTACATCAGATGCCCTTCATTTT
 TTGATAAGCTTACCAAAGAGCCAGCTGCATCCCAGCCTATTGAGAATGCCATGTCCTGTGTTATTTGGG
 AGACTCTGTCACTACAGATCATATATCACCCGCTGGAAGTATTGCTAGGAGTAGTCTGCTCAAGTAT
 TTGACAAAACAGAGCCTTACTCCCAGAGTTCAACTCTTATGGAGCTCGAAGAGGTAATGATGCTGTGA
 TGACAAGAGGCACATTTGCAACATCAAGCTTTTTAATAAGTTTATTGGGAAGCCAGCTCCAAAAACAAT
 TCATTTTCCATCGGGACAAACGCTCGATGATTTTGAAGCTGCAGAACTGTACCAGAAAGAAGGTATCCCA
 CTGATAATTTTAGCAGGAAAAAATATGGTTCAGGAAATCAAGAGATTGGGCTGCCAAGGGACCCTATT
 TGCTGGGTGTAAGGCTGTTTTGGCTGAGAGCTATGAAAAATACACAAAGATCATTGATTGGAATTGG
 TATAGCACCCTTGAATTCCTCCAGGAGAAAAATGCAGATTCCTTGGCCTCTCTGGCAGAGAAGTATTT
 TCTTTATCATTTCTGAAGAATCTTTCTGGAATTACATTAATAAAGACAAGCACTGGAAAAGAGT
 TCAGCGTATTGCATCATTGCAATGACGTGGAGATAACTTTGTACAAACATGGAGGCTTATTAACCTT
 TGTGGCTCGAAAATTCCTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_022655.2
RefSeq Size:	5808 bp
RefSeq ORF:	2892 bp
Locus ID:	64602
UniProt ID:	Q811J3
Cytogenetics:	9 29.81 cM
Gene Summary:	<p>RNA-binding protein that binds to iron-responsive elements (IRES), which are stem-loop structures found in the 5'-UTR of ferritin, and delta aminolevulinic acid synthase mRNAs, and in the 3' UTR of transferrin receptor mRNA. Binding to the IRE element in ferritin results in the repression of its mRNA translation. Binding of the protein to the transferrin receptor mRNA inhibits the degradation of this otherwise rapidly degraded mRNA.[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG226153