

Product datasheet for **MC222626**

Irag1 (NM_010826) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irag1 (NM_010826) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irag1
Synonyms:	BB115629; Irag; Mrvi1; R; Ris1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222626 representing NM_010826
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAAAACCAAAGACTCATCTGTGGCTCTTGGATCCTGGAAATGGAACCCAGTTTGGGACAGGGATGG
 GAAGGAGTTTGACTTGTCTTTTGGCATCTCCCCAGCCTGCGGAGCCCAAGCCTCTTGGAGCATCTTTGG
 GTTGGCACAGCAGAGGTTCCAGGCACGCACAGCCACTCCAACCAGGCGGCTGCCATGCCCCACATTCTCT
 GAGGATGAGGAGCCCCCGGAGAGCCACAGGCAGCCAGACCCAAGACTCTCCCTCTGCAGGACCATTTTC
 CCAGCCCTCCCACAATCGTCTGACGGGGATGCCAGTTCACCTGAAGGAGAGACTGACAAAAACCTAGT
 CAACAGGGCTCCCAGCCCTACCGGAGGCTTTCCACCGACACCTGAAGGTCTCCACTGCTTCGCTGACT
 TCTGTGGACCCCTCGGGCATGTATTGACCTGGTGAATGACCAGCTGCCGGACATCAGCATCTCAGAAG
 AGGACAAGAAAAAACCTGGCACTTCTGGAAGAAGCCAAGTTGGTGAGTGAGCGGTTCTGACCCGCCG
 TGGGAGGAAATCAAGGAGCAGCCTCGGAGACTCCCATCAGCTGTTTCTCAAACCTCAGCTCTGGGGCT
 TCTCTGCATCCTCCAGGAGCTGCTCCCTACCATCTCCACATCACCAGGTTTGGACATATGCAGTGGCC
 CTCAGTCCCCTCTGCCAGGAGCACCACCACAGCAAAAGGGACATGAGGACGGGGTCTCCTCGCCTTGCCC
 CGGAGAGCCTAATGTCTCAAAGGGCTAGCTGACCTGAAGCAGAAATGACCAGAGAAAAGTGTCTCAAGGC
 AGACTGGCTCCTCGCTCTCCACAGTGGAGAAAACCAAGGAACCTACAGTAGAACAAAAGGAAAACCTTTG
 ATCCCCCTCAGCACGTGGAGGCCACGCCATGGCTCAGGCTTCTGGAGCAAGCATCAGTGGGAAAATGGC
 TCTGAACAGCCCCAGCCTGGCCCTGCTGAGATGGAGCTGGGGAGGCAGCTCCTGAAGACAGCCCGGAA
 GGCAACCTCTGCCAGAACCACAGCCAGGGCTCAGGAGGAACGGTCTCCCCACATTCCCTGGGGCAGG
 GCTCTGCTGGAGAGCCTATGGGACCAAGGCTGGCTCCAAGGCTGAGCTGAGGTCCCCTGTGTCGGGCC
 CCCCTGATTTCGGGGGGTCTCCTGGGACAGCAGCCCTGAAGAACCAGGTCCTGCTGCAGAAGGTGCTC
 GCTAAGCTGCCCTGGCAGGGAAGAGAAGCGGTTTCCAGGCAAAAGCCAAGCCAGCCAAGCCACCTGGGC
 TCAAAGACTTCCAGATACAAGTGACGCCGTGCGCATGCAGAAGCTGACCAAGCTCCGGGAGGAACACAT
 CCTGATGAGAAACCAGAACCTGGTGGGGTTCAAGCTCCCTGAACTGAGTGAGGCCGCGGAGCAGGACAAA
 GGAGTCTCACCTGAACTCGCCCCAGCAGCTGAGGAAGAAGAGTCCAAGAGTGGTCTGGATGTGATGCCCA
 ACATTTCTGACATATTGCTGCGCAAACCTAGGGTTCACAAGTCACTCACTGGAAGCGCCCTCCACTCAC
 TGAAGAAGGAGTTGAGAACGTGTTGTACAACCTGCTTGGCCTTTAGAAATGACAGCTACACCTTGGAG
 TCTAGAATTAACCAGGCTGAAAGGGAGCGCAACCTGACAGAAGAGAACACGGAGAAGGAACTGGAAAAC
 TCAAAGCCTCCATAACGTCTCAGCAAACATCTGGTACCCTGCGAACACCGGGAGACCTATCAGAAACT
 TCTGGAAGACATCGCCGTCTTGATCGTCTGGCTGCCCGCCTCTCCAGTCGGGCTGAAGTGGTGGGTGCT
 GTTCGCCAGGAAAAGCGCATGTCAAAGGCCACGGAAAGTATGATGCAGTATGTGGAGAATCTGAAGAGAA
 CGTATGAGAAGGACCATGCTGAGCTCATGGAATTTAAGAAACTTGCAAAATCAGAAATCCAGTCGCAGCTG
 TGGGCCCTCTGAAGACGGGGTCTCCTCGAACGGCGCATATGTCCCTCACAAATGGGAAAGAACATGCC
 CGCCGGAGGGTCAGCGTTGCTGTGGTTCCCAAGTTAATGCCCTGAACCTGCCTGGCCAAGCCCCGAGCT
 CTTACCCATGCCTTCCCTACCAGCTCTGTCTGAATCGTCCAATGGGAAGAGCAGCATCTCCGCTCTCCC
 AGCGCTGCCTGCACTTTTGGAAAATGGAAGACAAATGCAGAGGCTAAGTGCAGAGTGGGTGCCCTGTG
 CCACTCCCAAGCTGTCTGGAGGAGACGAGCCAGGAGACCAAGGCCAAGGCAGAGGAAGAAGCCTACAGCA
 AAGGATACCAGGAAGGGGTAAGAAGACCGAAGAACTTCAAGACCTGAAGGAGGAGGAGGAGGAAGAACA
 GAAGACGGAGAGTCCCGAGGAACCAAGAGGTTAGAAGAAACCCAGGAGGACGAGAAGGACCAGGGAAGC
 AGCAAACCTGAAGAAGTGGTCCACTTCTACAAGTCAATGATCCTAAATTTGTGTCAACACTGGCAAGTGA
 TCTGGATGATGGCCGAGTGTGCTGGTCTTGTGTTGTTCTCGGGCTGTACAGTTCCTATAACTCCTG
 CACAGAGGAGGCCGATGGGCCCTGGGAGATCCACCTGCTCTGCAGCCAGCGGACTCCTGGTGGAGC
 TCCGACTCCAGCAAGAGCTGCCAGCAGAGCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_010826
Insert Size:	2766 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_010826.5 , NP_034956.2
RefSeq Size:	5968 bp
RefSeq ORF:	2766 bp
Locus ID:	17540
Cytogenetics:	7 57.9 cM
Gene Summary:	<p>This gene is a putative tumor suppressor gene that is frequently disrupted by mouse AIDS-related virus (MRV). The encoded protein participates in signaling by nitric oxide (NO) to inhibit intracellular calcium release and platelet aggregation in cardiovascular tissue. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2013]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no quality transcript was available for the full length of the gene. The extent of this transcript is supported by orthologous data.</p>