

Product datasheet for **MR229837**

Irf8 (NM_001301811) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf8 (NM_001301811) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irf8
Synonyms:	AI893568; IC; Ics; ICSBP; Icsbp1; IRF; IRF-8; My; Myls
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR229837 representing NM_001301811
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGTGACCGGAACGGCGGGCGGGCTGCGGCAGTGGCTGATCGAACAGATCGACAGCAGCATGTACC
 CGGGGCTGATCTGGGAAAATGATGAGAAGACCATGTTCCGTATCCCTGGAAGCATGCCGCAAGCAGGA
 TTACAATCAGGAGGTGGATGCTTCCATCTTCAAGGCCTGGCAGTTTTTAAAGGGAAGTTTAAAGAGGGA
 GACAAAGCTGAACCAGCCACGTGGAAGACGAGGTTACGCTGTGCTCTGAACAAGAGCCAGATTTTGAAG
 AAGTGACTGACCGGTCCCAGCTGGACATTTCTGAGCCATAAAAGTTTACCGAATTGCCCGGAGGAAGA
 ACAAAAATGCAAGCTGGGCGTGGCACCTGCAGGCTGCATGAGCGAAGTTCCTGAGATGGAGTGTGGCCGC
 TCAGAGATTGAGGAGCTGATCAAGGAACCTTCTGTGGATGAGTACATGGGTATGACCAAGAGGAGCCCAT
 CCCCACCAGAGGCTGCAGGAGCCAGATCCTCCCTGACTGGTGGTCCAGCAGCCAGTGCAGGCCCTGCC
 ACTGGTGACCGGATATGCCGCCTATGACACACACCATTACGCTTCTCCAGATGGTCATCAGCTTCTAC
 TACGGGGCAAGCTGGTGGGCCAGGCCACCACCCTGCCTTGAAGGCTGCCGTCTCTCCCTGAGCCAGC
 CGGGGCTGCCTAAGTTGTATGGGCCGGATGGCCTGGAACCCGTGTGCTTCCGACGGCCGACACCATCCC
 CAGTGAGCGGCAGAGGCAGGTGACCCGGAAGCTGTTTGGGCACCTGGAACGTGGCGTGCTACTGCACAGC
 AACCGCAAGGGCGTGTTCGTGAAGCGGCTGTGCCAGGGCCGCGTGTCTGCAGCGGCAACGCGGTGGTGT
 GCAAGGGCAGGCCAACAAAGCTGGAGCGGGACGAGGTGGTGCAGGTCTTTGACACCAACCAGTTCATCCG
 AGAGCTGCAGCAATTCTACGCCACCCAGAGCCGCTACCTGACAGCAGGTGGTCTGTGCTTCCGGGAG
 GAGTTTCCGGACTGTGCCCTTGGCTCCAAACTCATTCTGGTGCAGGTAGAGCAGCTGTATGCCAGGC
 AGCTGGTGGAGGAAGCGGGCAAGAGCTGCGGTGCTGGCTCCCTGATGCCAGCCCTGGAGGAGCCCCAGCC
 GGACCAGGCTTCCGCATGTTTCCGGATATCTGTACCTCACACCAGAGACCCTTTTTTAGAGAAAATCAA
 CAGATCACCGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229837 representing NM_001301811
 Red=Cloning site Green=Tags(s)

MCDRNGRRLRQWLIEQIDSSMYPGLIWENDEKTMFRIPWKHAGKQDYNQEVDASIFKAWAVFKGKFKEG
 DKAEPATWKTRLRCALNKSPDFEEVTDRLDISEPYKVYRIVPEEEQKCKLGVAPAGCMSEVPEMECGR
 SEIEELIKEPSVDEYMGMTKRSPPEACRSQILPDWWWQPSAGLPLVTGYAAYDTHHSAFSQMVISFY
 YGGKLVGQATTTCLEGRSLSQPGLPKLYGPDGLEPVCFTADTIPSERQRQVTRKLFHGLERGVLLHS
 NRKGVFVKRLCQGRVFCSGNAVVCKGRPNKLERDEVVQVFDTNQFIRELQQFYATQSRLPDSRVVLCFGE
 EFPDTPVPLRSKILVQVEQLYARQLVEEAGKSCGAGSLMPALEEPQPDQAFRMFPDICTSHQRPFRENQ
 QITV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001301811

ORF Size: 1272 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:

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_001301811.1](#), [NP_001288740.1](#)

RefSeq Size: 3391 bp

RefSeq ORF: 1275 bp

Locus ID: 15900

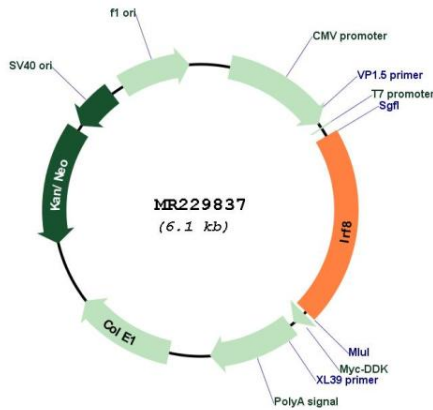
UniProt ID: [P23611](#)

Cytogenetics: 8 70.05 cM

MW: 48.7 kDa

Gene Summary: The protein encoded by this gene is a transcription factor that belongs to the interferon regulatory factor family. Proteins belonging to this family have a DNA binding domain at the amino terminus that contains five well-conserved tryptophan-rich repeats. This domain recognizes DNA sequences similar to the interferon-stimulated response element. The protein encoded by this gene promotes or suppresses lineage-specific genes to regulate the differentiation of lymphoid and myeloid lineage cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]

Product images:



Circular map for MR229837