

Product datasheet for **MC221530**

Irf2bpl (NM_145836) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf2bpl (NM_145836) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irf2bpl
Synonyms:	6430527G18Rik; Eap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221530 representing NM_145836
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGGCGGCGCAGGTGTCCTCGTCCCGAAGACAGTCTTGCTACCTGTGCGACCTGCCTCGCATGCCCT
 GGGCCATGATCTGGGACTTCTCCGAACCCGTATGCCGTGGTTGCGTCAATTACGAAGGCGCCGACCGCAT
 AGAATTCGTGATCGAGACAGCACGCCAGCTGAAGCGGGCTCACGGTTGCTTCCAAGACGGTCGCTCCCCG
 GGGCCGCCCGCCAGTCGGGGTCAAGACGGTGGCCTTGTCCGCCAAGGAAGCGGCAGCAGCAGCTGCCG
 CCGCACAGCAACAGCAGCAGCAACAACAGCAGCAACAGCAGCAGCTCAACCACGTCGATGGTTCCACCAA
 ACCTGCAGTGTGGCCGCCCGTCCGGTCTGGAGCGTTATGGCCTGAGCGCAGCGCCGCCCGGGCTGCC
 GCCGCCGCTCGGTGGAACAACGCAGCCGGTTCGAGTATCCGCCCTCCCGGTGAGTCTGGGGAGCAGCA
 GCCACGCCGCCCGCTGCCAACGGCTGGGAGGTCTAACGGCTTCCCCAAGCCGGCACAGAGGAAGG
 CCCCCCGAGCTGAACCGCCAGAGCCCCAACTCATCTCAGCAGCAACATCGGTGGCTTCTCGGCGTGGG
 ACGCATAGTGGGTGGTGACCGGGCTGCCAACCCGGGTGGTGGCGGGGACCTCAGTAACCGTGGCCC
 CCAACCTATTGCCGCAGACGCTGCTAACCGGCCGGCCAGCGCCGCGGTGCTGCCTCCGCCCCACGGGT
 GGGGGGAAGCCGAGGGCCCCGACTCCAGCACCTCCGGGTGCTCCCGGGGGCCCCGCATGTCTCGGGGT
 CCCCCGGTGTGTAGCCACTGTATCTCCGCTCCATCATCGACTTCGTCGACGGTGGCAGAGGTGGGCG
 TGGGTGCTGTGGCAAGAGGCTGGATCGGTGTGAGCAGCAGGACAGGAGCGTGAAGGAGAAGCA
 GCGCAACGCTGAGGCCTGGCAGAGCTGAGCGAGAGCCTGCGCAACCGCGCGGAGGAGTGGGCCAACAG
 CCCAAGATGGTCCGCGACAGCTGCTCAGCTGGCTGGCTGCACGCCCTACGAGGTGCGCTTCAAGAAGG
 ACCACTCGCTTTGGGTGCGCTTTGGCTTCGACGCGGTCTTAAGCCGGGCATGGACTATGAGTGAA
 GCTGTTCAATTGAGTATCCACGGGCTCCGGCAATGTGTACTCCAGCGCTCTGGGTGGCCAAACAGATG
 TACCAGGATTGCATGAAGGACTTTGGCCGGGTGCTGCTCTGGCTTCAAGTACCTGGAGTACGAGAAGA
 AGCACGGCTCTGGCGACTGGCGCTACTTGGGACCTACTGCCTGAGGCTGTGCGCTTCTCAAGGAGGG
 CGTGCCCCGGCGGACATGCTGCCCCAGCCCTACCTAGATGCTAGCTGTCCCATGCTACCCACGGCGCTG
 GTGAGTCTCAGCCGCGCCCCAGCGCACCTCCAGGAAGTGGAGCCTTGCCACCCGCGGCCCCACGGGCC
 GGGGTGCAGCGTCCAGCCTGCGCAAAAGGAAGGCATCCCCGAGCCTCCAGACTCAGCTGAAAGCGCACT
 GAAGCTCGGTGAGGAACAGCAGAGGCAGCAGTGGATGGCAAACCAGAGCGAGGCGCTGAAGCTCACGATG
 TCCGCGGGGGGCTTTGCGGCGCCGGGACTCAGCAGGGGACCACCTCCGCCCCCTCCACCTCTGGGAC
 CTATTCCAATCGGACACCCCGCGGAGTCAGCCCCCAGAACGGTCCGTCCCCCATGGCTGCCCTCAT
 GTCGGTAGCAGACACTTTGGGCACAGCTCATTGCCCAAGGACGGCAGTTCAAGTGCCTCGACCACTGCA
 TCTGCTAGGCGAAACAGCAGCAGCCGGTGTACCCCGCCTCCGTGCCGGGCCAGCGTGCCTGGCATCAC
 GCAATGGGGACCTGAATTTACAGGTGGCGCCCCCGCCCTAGCGCCACCCGGGCATGGACCAAGTACA
 CCCCCAAAACATCCGGATTCCTATGGCCAACAGCGGACCCCTCTGCTGTACCATTTGCCACGAACGT
 TTGGAGGACACGCATTTGTTTCAGTGTCCGTCTGTCCCTAGCCACAAATTTGTTCCCTTGTCTAGAG
 AGAGTATCAAGGCCAGGGGGCCACAGGTGAGGTGATTGCCCCAGCGGAGAGAAATGCCCCCTAGTCGG
 GTCTAATGTACCTTGGCCTTCATGCAGGGCGAAATTGCAACTATCTTAGCTGGGATGTTAAAGTGAAA
 AAAGAGAGAGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_145836
Insert Size: 2328 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_145836.2 , NP_665835.1
RefSeq Size:	4112 bp
RefSeq ORF:	2328 bp
Locus ID:	238330
UniProt ID:	Q8K3X4
Cytogenetics:	12 D2
Gene Summary:	Probable E3 ubiquitin protein ligase involved in the proteasome-mediated ubiquitin-dependent degradation of target proteins. Through the degradation of CTNNB1, functions downstream of FOXF2 to negatively regulate the Wnt signaling pathway. Probably plays a role in the development of the central nervous system and in neuronal maintenance (By similarity). Also acts as a transcriptional regulator of genes controlling female reproductive function. May play a role in gene transcription by transactivating GNRH1 promoter and repressing PENK promoter (By similarity).[UniProtKB/Swiss-Prot Function]