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Product datasheet for SC126770

IRF8 (NM_002163) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF8 (NM_002163) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF8
Synonyms:	H-ICSBP; ICSBP; ICSBP1; IMD32A; IMD32B; IRF-8
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC126770 sequence for NM_002163 edited (data generated by NextGen Sequencing)

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ATGTGTGACCGGAATGGTGGTCGGCGGCTTCGACAGTGGCTGATCGAGCAGATTGACAGT
AGCATGTATCCAGGACTGATTTGGGAGAATGAGGAGAAGAGCATGTTCCGGATCCCTTGG
AAACACGCTGGCAAGCAAGATTATAATCAGGAAGTGGATGCCTCCATTTTTAAGGCCTGG
GCAGTTTTTAAAGGGAAGTTTAAAGAAGGGGACAAAGCTGAACCAGCCACTTGGAAGACG
AGGTTACGCTGTGCTTTGAATAAGAGCCCAGATTTTGAGGAAGTGACGGACCGGTCCCAA
CTGGACATTTCCGAGCCATACAAAGTTTACCGAATTGTTCCTGAGGAAGAGCAAAAATGC
AAACTAGGCGTGGCAACTGCTGGCTGCGTGAATGAAGTTACAGAGATGGAGTGCGGTCGC
TCTGAAATCGACGAGCTGATCAAGGAGCCTTCTGTGGACGATTACATGGGGATGATCAAA
AGGAGCCCTTCCCCGCCGGAGGCCTGTCGGAGTCAGCTCCTTCCAGACTGGTGGGCGCAG
CAGCCCAGCACAGGCGTGCCGCTGGTGACGGGGTACACCACCTACGACGCGCACCATTCA
GCATTCTCCCAGATGGTGATCAGCTTCTACTATGGGGGCAAGCTGGTGGGCCAGGCCACC
ACCACCTGCCCCGAGGGCTGCCGCCTGTCCCTGAGCCAGCCTGGGCTGCCCGGCACCAAG
CTGTATGGGCCCGAGGGCCTGGAGCTGGTGCGCTTCCCGCCGGCCGACGCCATCCCCAGC
GAGCGACAGAGGCAGGTGACGCGGAAGCTGTTCGGGCACCTGGAGCGCGGGGTGCTGCTG
CACAGCAGCCGGCAGGGCGTGTTCGTCAAGCGGCTGTGCCAGGGCCGCGTGTTCTGCAGC
GGCAACGCCGTGGTGTGCAAAGGCAGGCCCAACAAGCTGGAGCGTGATGAGGTGGTCCAG
GTCTTCGACACCAGCCAGTTCTTCCGAGAGCTGCAGCAGTTCTATAACAGCCAGGGCCGG
CTTCCTGACGGCAGGGTGGTGCTGTGCTTTGGGGAAGAGTTTCCGGATATGGCCCCCTTG
CGCTCCAAACTCATTCTCGTGCAGATTGAGCAGCTGTATGTCCGGCAACTGGCAGAAGAG
GCTGGGAAGAGCTGTGGAGCCGGCTCTGTGATGCAGGCCCCCGAGGAGCCGCCGCCAGAC
CAGGTCTTCCGGATGTTTCCAGATATTTGTGCCTCACACCAGAGATCATTTTTCAGAGAA
AACCAACAGATCACCGTCTAA
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Clone variation with respect to NM_002163.2

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002163 unedited
ATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCGGCAGCAAGCGTGGGAACG
CGGGCGGCGAGACGGCGGCAGGACGGCGGCAGGATGTGTGACCGGAATGGTGGTCGGCGG
CTTCGACAGTGGCTGATCGAGCAGATTGACAGTAGCATGTATCCAGGACTGATTTGGGAG
AATGAGGAGAAGAGCATGTTCCGGATCCCTTGGAAACACGCTGGCAAGCAAGATTATAAT
CAGGAAGTGGATGCCTCCATTTTTAAGGCCTGGGCAGTTTTTAAAGGGAAGTTTAAAGAA
GGGGACAAAGCTGAACCAGCCACTTGGAAGACGAGGTTACGCTGTGCTTTGAATAAGAGC
CCAGATTTTGAGGAAGTGACGGACCGGTCCCAACTGGACATTTCCGAGCCATACAAAGTT
TACCGAATTGTTCCTGAGGAAGAGCAAAAATGCAAACTAGGCGTGGCAACTGCTGGCTGC
GTGAATGAAGTTACAGAGATGGAGTGCGGTCGCTCTGAAATCGACGAGCTGATCAAGGAG
CCTTCTGTGGACGATTACATGGGGATGATCAAAAGGAGCCCTTCCCCGCCGGAGGCCTGT
CGGAGTCAGCTCCTTCCAGACTGGTGGGCGCAGCAGCCCAGCACAGGCGTGCCGCTGGTG
ACGGNGTACACCACCTACGACGCGCACCATTCAGCATTCTCCCAGATGGTGATCAGCTTC
TACTATGGGGGCAAGCTGGTGGGCCANGCCACCACCACCTGCCCCGATGGCTGNCGNCTG
TCCCTGAGCCAGCCTGGGCTGCCCNGCACCAATCTGTATGGGCCCGATGGCCTGNNAGCT
GTGCGCTTNCCGNNCGGCGACGCATNCNCAGNGAGCGACAGAGGCAGTGACGCGNAAATC
TGTCGGCACCTGGAGCGCGGGTGCTGCTGCACACNCCCGCAGGGCGTGTCGTCAGTCGCT
GTGCAGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002163 unedited
TATGGACCGCGGCCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTAAAAAAGAGCA
TTTTATTTTAATAAAGAATAAAAGAGATCAATATACTGTTTTAATGGATACAAAAATAAA
TATTCATTCAGCATATTAAAGATATGTGCTTTGACATTCATTTGAATTGGAGATTCAAGC
CTATTGTTATCTTATGAACACTTCAGCAAACAGGTCTGCCATTCTTAAAAATATAATGCT
TTGTTGGACAAAAGGGACAAGCCACGTCCCCTGGTCCTCTCCTCTATTCGCCTGTGAACT
CCATCCACACGTAAAGGACCTCTGGGTCTGACTGTCCCCTCCACAGGCATGGTGCTGGGA
AAAGGAAACAGGCATATCTGGCTTTTCAGATTTTAAACCGGAAACTCTCACAGTCACAAA
TCCACCATGAGACTTGGGAGATTGGATGAGCTGTCTCCCAAACCCTAACACCTTCCACCT
TCTCAAAATGAAGGCTGCCCTTTCACTGGGAGGTTCTGAATGCGGGATTGGTGCTGACTC
AGGCTGGGCACAAAGGAGAAAGGAGGACATGCGAAATCCCCCACTTCGAAATCCAAATAT
TTCACACACATGTTGAAACCCATTTGGGAAAGCAAAAAAAGAGGTTTCCTGGCACTGATT
TCACTGAACCGAAATTGAAACACAATAATTCTAGTTCCTAATCCCTCCTGGCCCCCAAAC
CCCCAAAGGGAGAAGGTTCCTATTGGTTTGAGGATAAAAAACCACCCCCGCTCGGCCTGG
TATTTACACCATATTCCCTGGCCCACAATTTCTTAAAAGAATTTTCCTTCTCTTTTCTCC
AACTCCCAGAACTTTCTTCTTGCACTCCTCCAAAGGCGGCTTTCTATTCTAAATCTTTCC
ACACCCCTTCTCTAACAGCCTCAACGTTCACAAACATTCTCCCTCCTACACCCACCCTCC
N

Restriction Sites: NotI-NotI

ACCN: NM_002163

Insert Size: 2620 bp

OTI Disclaimer:	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. 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
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_002163.2, NP_002154.1
RefSeq Size:	2678 bp
RefSeq ORF:	1281 bp
Locus ID:	3394
UniProt ID:	Q02556
Cytogenetics:	16q24.1
Domains:	IRF
Protein Families:	Transcription Factors
Gene Summary:	Interferon consensus sequence-binding protein (ICSBP) is a transcription factor of the interferon (IFN) regulatory factor (IRF) family. Proteins of this family are composed of a conserved DNA-binding domain in the N-terminal region and a divergent C-terminal region that serves as the regulatory domain. The IRF family proteins bind to the IFN-stimulated response element (ISRE) and regulate expression of genes stimulated by type I IFNs, namely IFN-alpha and IFN-beta. IRF family proteins also control expression of IFN-alpha and IFN-beta-regulated genes that are induced by viral infection. [provided by RefSeq, Jul 2008]