

Product datasheet for RC237798

IRF6 (NM_001206696) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IRF6 (NM_001206696) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IRF6
Synonyms: LPS; OFC6; PIT; PPS; PPS1; VWS; VWS1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237798 representing NM_001206696
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTATGATGGCACCAGGAGGTGCCCATGAACCCAGTGAAGATATCAAGTGTGTGACATCCCTCAGC
 CCCAGGGCTCGATCATTAAACCAGGATCCACAGGGTCTGCTCCCTGGGATGAGAAGGATAATGATGTGGA
 TGAAGAAGATGAGGAAGATGAGCTGGATCAGTCGCAGCACCATGTTCCCATCCAGGACACCTTCCCCTTC
 CTGAACATCAATGGTTCTCCCATGGCGCCAGCCAGTGTGGCAATTGCAGTGTGGCAACTGCAGCCCGG
 AGGCAGTGTGGCCAAAACCTGAACCCCTGGAGATGGAAGTACCCAGGCACCTATACAGCCCTTCTATAG
 CTCTCCAGAACTGTGGATCAGCTCTCTCCAATGACTGACCTGGACATCAAGTTTCAGTACCGTGGGAAG
 GAGTACGGGCAGACCATGACCGTGAGCAACCCCTCAGGGCTGCCGACTCTTCTATGGGGACCTGGTCCCA
 TGCCTGACCAGGAGGAGCTCTTTGGTCCCGTCAGCCTGGAGCAGGTCAAATCCCAGGTCCTGAGCATAT
 TACCAATGAGAAGCAGAAGCTGTTCACTAGCAAGCTGCTGGACGTCATGGACAGAGGACTGATCCTGGAG
 GTCAGCGGTGATGCCATTTATGCCATCAGGCTGTGCCAGTGAAGGTGTACTGGTCTGGCCATGTGCC
 CATCACTTGTGGTCCCAACCTGATTGAGAGACAAAAGAAGTCAAGCTATTTTGTCTGGAAACATTCCT
 TAGCGATCTATTGCCACCAGAAAGGACAGATAGAGAAGCAGCCACCGTTTGAGATCTACTTATGCTTT
 GGGGAAGAATGGCCAGATGGGAAACATTGAAAGGAAACTCATCTTGGTTCAGGTCATTCCAGTGTGG
 CTCGGATGATCTACGAGATGTTTTCTGGTGATTTACACGATCCTTTGATAGTGGCAGTGTCCGCTGCA
 GATCTCAACCCAGACATCAAGGATAACATCGTTGCTCAGCTGAAGCAGCTGTACCGCATCTTCAAACC
 CAGGAGAGCTGGCAGCCCATGCAGCCACCCAGCATGCAACTGCCCTGCCCTGCCCTCCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237798 representing NM_001206696
Red=Cloning site Green=Tags(s)

MYDGTKEVPMNPVKIYQVCDIPQPQGSINPGSTGSAPWDEKDNDVDEEDEEDELDSQHHVPIQDTFFP
 LNINGSPMAPASVGNCSVGNCSPEAVWPKTEPLEMEVQAPIQPFYSSPELWISSLPMTDLDIKFQYRGK
 EYGQTMTVSNPQGCRLFYDGLGMPDQEELFGPVSLEQVKFPGPEHITNEKQKLFSTKLLDVMDRGLILE
 VSGHAIYAIRLCQCKVYWSGPCAPSLVAPNLIERQKKVKLFCLETFLSDLIAHQKGQIEKQPPFEIYLCF
 GEEWPDGKPLERKLILVQVIPVVARMIYEMFSGDFTRSFDSGSVRLQISTPDIKDNIVAQLKQLYRILQT
 QESWQPMQPTPSMQLPPLPPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

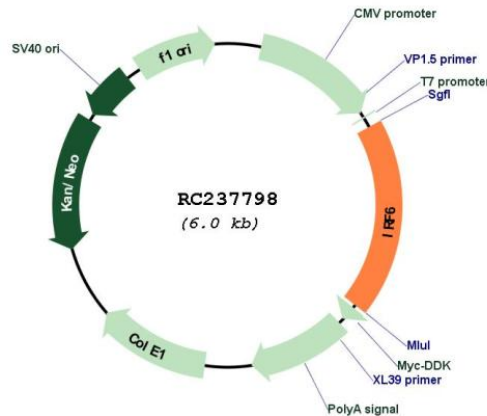
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001206696

ORF Size:	1116 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:	<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_001206696.1 , NP_001193625.1
RefSeq Size:	4256 bp
RefSeq ORF:	1119 bp
Locus ID:	3664
UniProt ID:	O14896
Cytogenetics:	1q32.2
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
MW:	42.4 kDa
Gene Summary:	This gene encodes a member of the interferon regulatory transcription factor (IRF) family. Family members share a highly-conserved N-terminal helix-turn-helix DNA-binding domain and a less conserved C-terminal protein-binding domain. The encoded protein may be a transcriptional activator. Mutations in this gene can cause van der Woude syndrome and popliteal pterygium syndrome. Mutations in this gene are also associated with non-syndromic orofacial cleft type 6. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2011]