

Product datasheet for **SC322491**

IRF6 (NM_006147) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF6 (NM_006147) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRF6
Synonyms:	LPS; OFC6; PIT; PPS; PPS1; VWS; VWS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC322491 representing NM_006147.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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CTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCG
CGCCAGATCTCAAGCTTAACTAGCTAGCGGACCGAC
ATGGCCCTCCACCCCGCAGAGTCCGGCTAAAGCCCTGGCTGGTGGCCAGGTGGATAGTGGCCTCTAC
CCTGGGCTCATCTGGCTACACAGGGACTCTAAACGCTTCCAGATTCCTGAAACATGCCACCCGGCAT
AGCCCTCAACAAGAAGAGGAAAATACCATTTTTAAGGCCTGGGCTGTAGAGACAGGGAAGTACCAGGAA
GGGGTGGATGACCCTGACCCAGCTAAATGGAAGGCCAGCTGCGCTGTGCTCTCAATAAGAGCAGAGAA
TTCAACCTGATGTATGATGGCACCAAGGAGGTGCCATGAACCCAGTGAAGATATATCAAGTGTGTGAC
ATCCCTCAGCCCCAGGGCTCGATCATTAAACCAGGATCCACAGGGTCTGCTCCCTGGGATGAGAAGGAT
AATGATGTGGATGAAGAAGATGAGGAAGATGAGCTGGATCAGTCGCAGCACCATGTTCCCATCCAGGAC
ACCTTCCCCTTCTGAACATCAATGTTTCTCCATGGCGCCAGCCAGTGTGGCAATTGCAGTGTGGGC
AACTGCAGCCCGGAGGCAGTGTGGCCAAAACCTGAACCCCTGGAGATGGAAGTACCCAGGCACCTATA
CAGCCCTTCTATAGCTCTCCAGAACTGTGGATCAGCTCTCTCCCAATGACTGACCTGGACATCAAGTTT
CAGTACCGTGGGAAGGAGTACGGGCAGACCATGACCGTGAGCAACCCCTCAGGGCTGCCGACTCTTCTAT
GGGGACCTGGGTCCCATGCCTGACCAGGAGGAGCTCTTTGGTCCCCTCAGCCTGGAGCAGGTCAAATTC
CCAGGTCTGAGCATATTACCAATGAGAAGCAGAAGCTGTTCACTAGCAAGCTGTGGACGTCATGGAC
AGAGGACTGATCCTGGAGGTGAGCGGTCATGCCATTTATGCCATCAGGCTGTGCCAGTGAAGGTGTAC
TGGTCTGGGCCATGTGCCCATCACTTGTGTCTCCCACTGATTGAGAGACAAAAGAAGGTCAAGCTA
TTTTGTCTGAAACATTCCTTAGCGATCTATTGCCACCAGAAAGGACAGATAGAGAAGCAGCCACCG
TTTGAGATCTACTTATGCTTTGGGAAGAATGGCCAGATGGGAAACCATTGGAAGGAAACTCATCTTG
GTTCAAGTCATTCCAGTAGTGGCTCGGATGATCTACGAGATGTTTTCTGGTGATTTACACGATCCTTT
GATAGTGGCAGTGTCCGCTGCAGATCTCAACCCAGACATCAAGGATAACATCGTTGCTCAGCTGAAG
CAGCTGTACCGCATCCTTCAAACCCAGGAGAGCTGGCAGCCCATGCAGCCACCCCCAGCATGCAACTG
CCCCCTGCCCTGCCTCCCCAGTAA
ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAAG
GATGACGACGATAAGGTTTAAACGGCCGGCCGGCT
  
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Restriction Sites: RsrII-NotI

ACCN: NM_006147

Insert Size: 1404 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](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_006147.2</u>
RefSeq Size:	2171 bp
RefSeq ORF:	1404 bp
Locus ID:	3664
UniProt ID:	<u>O14896</u>
Cytogenetics:	1q32.2
Domains:	IRF
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
MW:	53.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>