

Product datasheet for SC335692

IRF6 (NM_001206696) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRF6 (NM_001206696) 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)
Fully Sequenced ORF:	>SC335692 representing NM_001206696. Blue=Insert sequence Red=Cloning site Green=Tag(s)

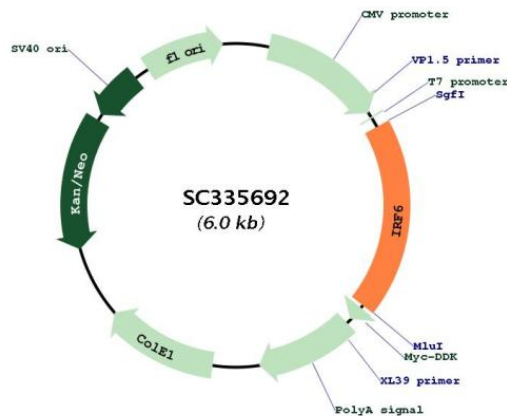
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CGCATCCTTCAAACCCAGGAGAGCTGGCAGCCATGCAGCCACCCAGCATGCAACTGCCCCCTGCC
CTGCCTCCCCAGTAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001206696

Insert Size: 1119 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:

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](#)

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: 41.9 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]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to 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.