

## Product datasheet for **RG237798**

### IRF6 (NM\_001206696) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IRF6 (NM_001206696) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IRF6
Synonyms:	LPS; OFC6; PIT; PPS; PPS1; VWS; VWS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237798 representing NM_001206696. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTATGATGGCACCAAGGAGGTGCCCATGAACCCAGTGAAGATATATCAAGTGTGTGACATCCCTCAG
CCCCAGGGCTCGATCATTAACCCAGGATCCACAGGGTCTGCTCCCTGGGATGAGAAGGATAATGATGTG
GATGAAGAAGATGAGGAAGATGAGCTGGATCAGTCGCAGCACCATGTTCCCATCCAGGACACCTTCCCC
TTCCTGAACATCAATGGTTCTCCCATGGCGCCAGCCAGTGTGGGCAATTGCAGTGTGGGCAACTGCAGC
CCGGAGGCAGTGTGGCCAAAACCTGAACCCCTGGAGATGGAAGTACCCAGGCACCTATACAGCCCTTC
TATAGCTCTCCAGAACTGTGGATCAGCTCTCTCCAATGACTGACCTGGACATCAAGTTTCAGTACCGT
GGGAAGGAGTACGGGCAGACCATGACCGTGAGCAACCCTCAGGGCTGCCGACTTCTATGGGGACCTG
GGTCCCATGCCTGACCAGGAGGAGCTCTTTGGTCCCGTCAGCCTGGAGCAGGTCAAATCCCAGGTCTT
GAGCATATTACCAATGAGAAGCAGAAGCTGTCTACTAGCAAGCTGCTGGACGTCATGGACAGAGGACTG
ATCCTGGAGGTGACGGTTCATGCCATTTATGCCATCAGGCTGTGCCAGTGAAGGTGACTGGTCTGGG
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TACTTATGCTTTGGGAAGAATGGCCAGATGGGAAACCATTGGAAAGGAACTCATCTTGGTTTCAGGTC
ATTCCAGTAGTGGCTCGGATGATCTACGAGATGTTTTCTGGTGATTTACACAGCATCTTTGATAGTGCC
AGTGTCGCGCTGCAGATCTCAACCCAGACATCAAGGATAACATCGTTGCTCAGCTGAAGCAGCTGTAC
CGCATCTTCAAACCCAGGAGAGCTGGCAGCCCATGCAGCCACCCCCAGCATGCAACTGCCCCCTGCC
CTGCCTCCCCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237798  
 Blue=ORF Red=Cloning site Green=Tag(s)

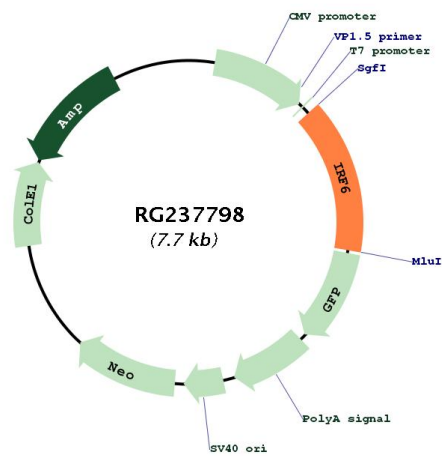
MYDGTKEVPMNPVKIYQVCDIPQPQGSIIINPGSTGSAPWDEKDNDVDEEDEEDELQSQHHVPIQDTFP  
 FLNINGSMPAPASVGNCSVGNCSPEAVWPKTEPLEMEVPQAPIQPFYSSPELWISSLPMTDLDIKFYR  
 GKEYGQTMVSNPQGCRLFYGDLGMPDQEELFGPVSLEQVKFPGPEHITNEKQKLFSTKLLDVMRGL  
 ILEVSGHAIYAIRLCQCKVYWSGPCAPSLVAPNLIERQKKVKLFLETFLSDLIAHQKQIEKQPPFEI  
 YLCFGEWPDGKPLERKLLVQVIPVVARMIYEMFSGDFTRSFDSGSVRLQISTPDIKDNIVAQLKQLY  
 RILQTQESWQPMQPTPSMQLPPLPPQ  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001206696
<b>ORF Size:</b>	1116 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001206696.1</a> , <a href="#">NP_001193625.1</a>
<b>RefSeq Size:</b>	4256 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	3664
<b>UniProt ID:</b>	<a href="#">O14896</a>
<b>Cytogenetics:</b>	1q32.2
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Transcription Factors
<b>MW:</b>	42.4 kDa
<b>Gene Summary:</b>	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]