

Product datasheet for **RG222361**

IL1F10 (NM_173161) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL1F10 (NM_173161) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IL1F10
Synonyms: FIL1-theta; FKSG75; IL-1HY2; IL-38; IL1-theta; IL1HY2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG222361 representing NM_173161
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTTCCCTCCCATGGCAAGATACTACATAATTAATATGCAGACCAGAAGGCTCTATACACAAGAG
ATGGCCAGCTGCTGGTGGGAGATCCTGTTGCAGACAACTGCTGTGCAGAGAAGATCTGCATACTTCTAA
CAGAGGCTTGGCCCGACCAAGGTCCCATTTTCTGGGGATCCAGGGAGGGAGCCGCTGCCTGGCATGT
GTGGAGACAGAAGAGGGCCTTCCCTACAGCTGGAGGATGTGAACATTGAGGAAGTGTACAAAGGTGGT
AAGAGGCCACACGCTTACCTTCTCCAGAGCAGCTCAGGCTCCGCCTTCAGGCTTGAGGCTGCTGCCTG
GCCTGGCTGGTTCTGTGTGGCCCGCAGAGCCCCAGCAGCCAGTACAGCTACCAAGGAGAGTGAGCCC
TCAGCCCGTACCAAGTTTACTTTGAACAGAGCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222361 representing NM_173161
Red=Cloning site Green=Tags(s)

MCSLPMARYYIIKYADQKALYTRDQQLLVGDPVADNCCAEEKICILPNRGLARTKVPVIFLGIQGGSRCLAC
VETEEGPLSLQLEDVNIIEELYKGGEEATRFTFQSSSGSAFRLEAAAWPGWFLCGPAEPQPQVQLTKESSEP
SARTKIFYFEQSW

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

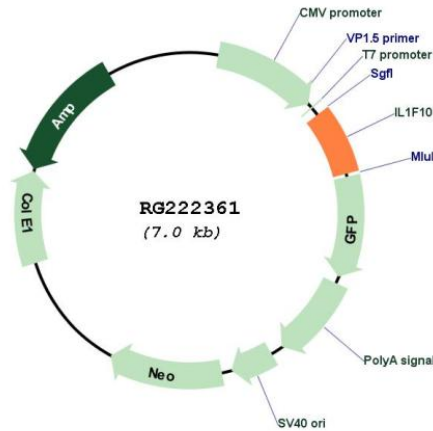


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Cloning Scheme:



Plasmid Map:



ACCN: NM_173161

ORF Size: 456 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:	<u>NM_173161.3</u>
RefSeq Size:	1030 bp
RefSeq ORF:	459 bp
Locus ID:	84639
UniProt ID:	<u>Q8WWZ1</u>
Cytogenetics:	2q14.1
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. This cytokine is thought to participate in a network of interleukin 1 family members to regulate adapted and innate immune responses. Two alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]