

Product datasheet for **SC122809**

IL37 (NM_014439) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL37 (NM_014439) Human Untagged Clone
Tag: Tag Free
Symbol: IL37
Synonyms: FIL1; FIL1(ZETA); FIL1Z; IL-1F7; IL-1H; IL-1H4; IL-1RP1; IL-23; IL-37; IL1F7; IL1H4; IL1RP1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014439 edited
 AAAATGTCCTTTGTGGGGGAGAAGTCAAGGAGTAAAAATGGGCTCTGAGGACTGGGAAAAA
 GATGAACCCAGTGTCTTGTAGAACCCGGCTGTAAGCCCTGGAACAGGCCAAGC
 CTCCCCGCCATGAATTTTGTTCACACAAGTCAAAGGTGAAGAACTTAAACCCGAAGAAA
 TTCAGCATTTCATGACCAGGATCACAAGTACTGGTCTGGACTCTGGGAATCTCATAGCA
 GTTCCAGATAAAAACATACGCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGC
 TCAGCCTCTGCGGAGAAAGGAAGTCCGATTCTCCTGGGGTCTCTAAAGGGGAGTTTTGT
 CTCTACTGTGACAAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAA
 CTGATGAAGCTGGCTGCCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTATAGGGCT
 CAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACC
 TCCTGCAATTGTAATGAGCCTGTTGGGGTGACAGATAAAATTTGAGAACAGGAAACACATT
 GAATTTTCATTTCAACAGTTTGCAAAAGCTGAAATGAGCCCCAGTGAGGTGAGCGATTAG
 GAAACTGCCCATTTGAACGCCTTCTCGCTAATTTGAACTAATTGTATAAAAACACCCAAA
 CCTGCTCAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014439 unedited NGAGGTACAAATTTTGTAAACGACTACTATAGGGCGGCCGGAATTCGGCCATTACGG CCGGGGAAAATGTCCTTTGTGGGGGAGAACTCAGGAGTGAAAATGGGCTCTGAGGACTGG GAAAAAGATGAACCCAGTGCTGCTTAGAAGACCCGGCTGAAGCCCCCTGGAACCAGGC CCAAGCCTCCCCGCCATGAATTTTGTTCACACAAGTCAAAGGTGAAGAACTTAAACCCG AAGAAATTCAGCATTATGACCAGGATCACAAAGTACTGGTCTGGACTCTGGGAATCTC ATAGCAGTTCAGATAAAAACTACATACGCCAGAGATCTTCTTGCATTAGCCTCATCC TTGAGCTCAGCCTCTGCGGAGAAAAGGAAGTCCGATTCTCCTGGGGTCTCTAAAGGGGAG TTTTGTCTCTACTGTGACAAGGATAAAGGACAAAGTCATCCATCCCTTCAAGCTGAAGAAG GAGAACTGATGAAGCTGGCTGCCAAAAGGAATCAGCACGCCGGCCCTCATCTTTTAT AGGGCTCAGGTGGGCTCTGGAACATGCTGGAGTCGGCGGCTCACCCGGATGGTTCATC TGCACCTCTGCAATTGTAATGAGCCTGTTGGGGTACAGATAAATTTGAGAACAGGAAA CACATTGAATTTTCATTTCAACCAAGTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGC GATTAGGAAACTGCCCATTTGAACGCCTTCTCGCTAATTTGAACTAATTGTATAAAAAAC ACCAAACCTGCTCAGTANAAAAAAAAAAAAAAAAAAAAAAAAAAAAACATGGTCGGCCGCC CTGCCCTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGAAAAGCTTAAACTTATTT AAGATATTTTAAAGTAAAC
Restriction Sites:	Please inquire
ACCN:	NM_014439
Insert Size:	760 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
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_014439.3 , NP_055254.2
RefSeq Size:	787 bp

RefSeq ORF: 657 bp

Locus ID: 27178

UniProt ID: [Q9NZH6](#)

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 cytokine can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). This cytokine also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18. This gene along with eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Five alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longest isoform (1).