

Product datasheet for **RC235929**

IL36 gamma (IL36G) (NM_001278568) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL36 gamma (IL36G) (NM_001278568) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IL36G
Synonyms: IL-1F9; IL-1H1; IL-1RP2; IL1E; IL1F9; IL1H1; IL1RP2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235929 representing NM_001278568
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGAGGCACTCCAGGAGACGCTGATGGTGGAGGAAGGGCCGTCTATCAATCAATCACTGTTGCTGTTA
TCACATGCAAGTATCCAGAGGCTCTTGAGCAAGGCAGAGGGGATCCCATTTATTTGGGAATCCAGAATCC
AGAAATGTGTTTGTATTGTGAGAAGTTGGAGAACAGCCACATTGCAGCTAAAAGAGCAGAAGATCATG
GATCTGTATGGCCAACCCGAGCCGTGAAACCCTTCCTTTTCTACCGTGCCAAGACTGGTAGGACCTCCA
CCCTTGAGTCTGTGGCCTTCCCGGACTGGTTCATTGCCTCCTCCAAGAGAGACCAGCCCATCTCTGAC
TTCAGAACTTGGGAAGTCATACAACACTGCCTTTGAATTAATATAAATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235929 representing NM_001278568
Red=Cloning site **Green**=Tags(s)
MRGTPGDADGGGRAVYQSITVAVITCKYPEALEQGRGDPYILGIQNPCLYCEKVGEQPTLQLKEQKIM
DLYGQPEPVKPFIFYRAKTGRSTLESVAFPDWFIASSKRDQPIILTSELGKSYNTAFELNIND

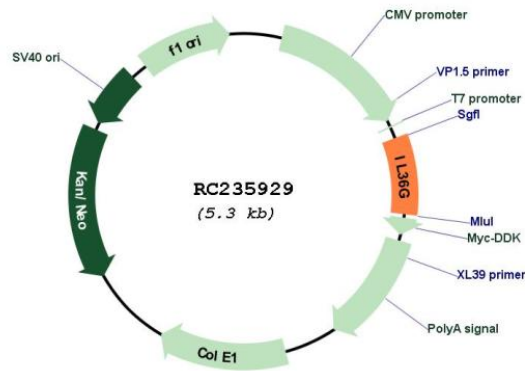
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:

ACCN:

NM_001278568

ORF Size:

402 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:	NM_001278568.2
RefSeq Size:	1107 bp
RefSeq ORF:	405 bp
Locus ID:	56300
UniProt ID:	Q9NZH8
Cytogenetics:	2q14.1
Protein Families:	Druggable Genome, Secreted Protein
MW:	15.4 kDa
Gene Summary:	The protein encoded by this gene is a member of the interleukin 1 cytokine family. The activity of this cytokine is mediated by interleukin 1 receptor-like 2 (IL1RL2/IL1R-rp2), and is specifically inhibited by interleukin 1 family, member 5 (IL1F5/IL-1 delta). Interferon-gamma, tumor necrosis factor-alpha and interleukin 1, beta (IL1B) are reported to stimulate the expression of this cytokine in keratinocytes. The expression of this cytokine in keratinocytes can also be induced by a contact hypersensitivity reaction or herpes simplex virus infection. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq, May 2019]