

Product datasheet for **RG235929**

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: TurboGFP
Symbol: IL36 gamma
Synonyms: IL-1F9; IL-1H1; IL-1RP2; IL1E; IL1F9; IL1H1; IL1RP2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235929 representing NM_001278568.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAGGCACTCCAGGAGCGCTGATGGTGGAGGAAGGGCCGTCTATCAATCAATCACTGTTGCTGTT
ATCACATGCAAGTATCCAGAGGCTCTTGAGCAAGGCAGAGGGATCCCATTTATTTGGGAATCCAGAAT
CCAGAAATGTGTTTGTATTGTGAGAAGTTGGAGAACAGCCACATTGCAGCTAAAAGAGCAGAAGATC
ATGGATCTGTATGGCCAACCCGAGCCCGTGAACCCCTTCTTTTCTACCGTGCCAAGACTGGTAGGACC
TCCACCCTTGAGTCTGTGGCCTTCCCGACTGGTTCATTGCCTCCTCCAAGAGAGACCAGCCCATCATT
CTGACTTCAGAACTTGGGAAGTCATACAACACTGCCTTTGAATTAATATAAATGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235929
Blue=ORF Red=Cloning site Green=Tag(s)

```
MRGTPGDADGGGRAVYQSITVAVITCKYPEALEQGRGDP IYLG IQNPEMCLYCEKVGEP T LQLKEQKI
MDLYGQPEPVK PFLFYRAKTGRSTLESVAFPDWFIASSKRDQPIILTSELGKSYNTAFELNIND
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



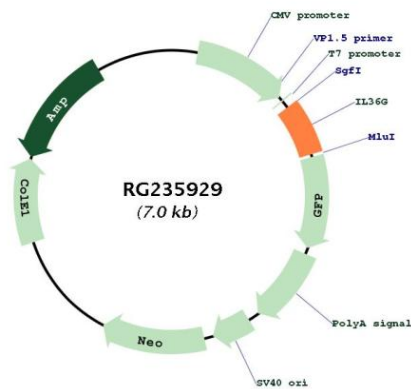
[View online »](#)

Cloning Scheme:


- 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).
- 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]

Product images:


Circular map for RG235929