

## Product datasheet for **RG219328**

### IL36 alpha (IL36A) (NM\_014440) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL36 alpha (IL36A) (NM\_014440) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** IL36 alpha  
**Synonyms:** FIL1; FIL1(EPSILON); FIL1E; IL-1F6; IL1(EPSILON); IL1F6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG219328 representing NM\_014440  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAAAAGCATTGAAAATTGACACACCTCAGCGGGGAGCATTGAGGATATCAATCATCGGGTGTGGG  
TTCTTCAGGACCAGACGCTCATAGCAGTCCCGAGGAAGGACCGTATGTCTCCAGTCACTATTGCCTTAAT  
CTCATGCCGACATGTGGAGACCCTTGAGAAAGACAGAGGGAACCCATCTACCTGGGCTGAATGGACTC  
AATCTCTGCCTGATGTGTGCTAAAGTCGGGACCAGCCACACTGCAGCTGAAGGAAAAGGATATAATGG  
ATTTGTACAACCAACCCGAGCCTGTGAAGTCCTTTCTTCTTCTACCACAGCCAGAGTGGCAGGAACCCAC  
CTTCGAGTCTGTGGCTTTCCCTGGCTGGTTCATCGCTGTGAGCTCTGAAGGAGGCTGCCTCTCATCCTT  
ACCCAAGAAGTGGGAAAGCCAACACTACTGACTTTGGGTTAACTATGCTGTTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG219328 representing NM\_014440  
Red=Cloning site Green=Tags(s)

MEKALKIDTPQRGSIQDINHRVWVLQDQTLIAVPRKDRMSPVTIALISCRHVETLEKDRGNPIYLGGLNGL  
NLCLMCAKVGDPQLQLKEKDIMDLNQPPEPKSFLFYHSQSGRNSTFESVAFPWFIVASSEGGCPILIL  
TQELGKANTTDFGLTMLF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_014440

**ORF Size:** 475 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:**

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\\_014440.1](#), [NP\\_055255.1](#)

**RefSeq Size:** 477 bp

**RefSeq ORF:** 477 bp

**Locus ID:** 27179

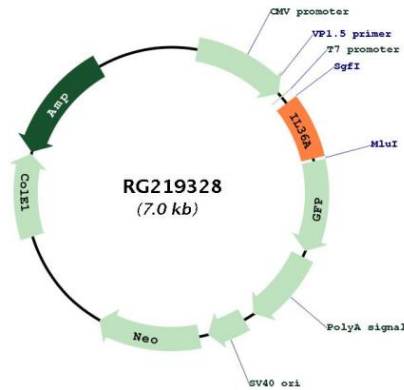
**UniProt ID:** [Q9UHA7](#)

**Cytogenetics:** 2q14.1

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** The protein encoded by this gene is a cytokine that can activate NF-kappa-B and MAPK signaling pathways to generate an inflammatory response. The encoded protein functions primarily in skin and demonstrates increased expression in psoriasis. In addition, decreased expression of this gene has been linked to a poor prognosis in both hepatocellular carcinoma and colorectal cancer patients. [provided by RefSeq, Nov 2015]

**Product images:**



Circular map for RG219328