

Product datasheet for **RG211633**

IL36 beta (IL36B) (NM_014438) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL36 beta (IL36B) (NM_014438) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IL36B
Synonyms: FIL1; FIL1-(ETA); FIL1H; FILI-(ETA); IL-1F8; IL-1H2; IL1-ETA; IL1F8; IL1H2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211633 representing NM_014438
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCCACAACGGGAGGCAGCACCCAAATCCTATGCTATTCGTGATTCTCGACAGATGGTGTGGGTCC
 TGAGTGGAAATCTTTAATAGCAGCTCCTTAGCCGAGCATTAAAGCCTGCTACTTTCATTTAATAGC
 CTGTAGAGACACAGAATTCAGTGACAAGGAAAAGGTAATATGGTTTACCTGGGAATCAAGGAAAAGAT
 CTCTGTCTCTTGTGCAGAAATTCAGGGCAAGCCTACTTGCAGCTTAAGCTTCAGGGCTCCCAAGATA
 ACATAGGGAAGGACACTTGTGAAACTAGTTGGAATTCACACATGCATAAACCTGGATGTGAGAGAGAG
 CTGCTTCATGGGAACCTTGACCAATGGGGAATAGGAGTGGGTAGAAAGAAGTGAAGAGTTCCTTTCAA
 CATCACCATCTCAGGAAGAAGGACAAAGATTTCTCATCCATGCGGACCAACATAGGAATGCCAGGAAGGA
 TG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211633 representing NM_014438
 Red=Cloning site Green=Tags(s)

MNPQREAAPKSYAIRDSRQMVVLSGNSLIAAPLSRSIKPVTLHLIACRDTEFSDKEKGNMYYLGIKGD
 LCLFCAEIQGKPTLQLKLQGSQDNIGKDTCKWL VGIHTCINLDVRESCFMGTLQWIGVGRKKWSSQF
 HHHLRKKDKDFSSMRTNIGMPGRM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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_014438.5</u>
RefSeq Size:	1182 bp
RefSeq ORF:	495 bp
Locus ID:	27177
UniProt ID:	<u>Q9NZH7</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. Protein structure modeling indicated that this cytokine may contain a 12-stranded beta-trefoil structure that is conserved between IL1A (IL-A alpha) and IL1B (IL-1 beta). This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]