

Product datasheet for **RC211633**

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: Myc-DDK
Symbol: IL36B
Synonyms: FIL1; FIL1-(ETA); FIL1H; FILI-(ETA); IL-1F8; IL-1H2; IL1-ETA; IL1F8; IL1H2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC211633 representing NM_014438
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCCACAACGGGAGGCAGCACCCAAATCCTATGCTATTCGTGATTCTCGACAGATGGTGTGGGTCC
TGAGTGGAAATCTTTAATAGCAGCTCCTCTTAGCCGAGCATTAAAGCCTGCACTCTTCATTTAATAGC
CTGTAGAGACACAGAATTCAGTGACAAGGAAAAGGTAATATGGTTTACCTGGGAATCAAGGAAAAGAT
CTCTGTCTCTTCTGTGCAGAAATTCAGGGCAAGCCTACTTTGCAGCTTAAGCTTCAGGGCTCCAAGATA
ACATAGGGAAGGACACTTGTGAAACTAGTTGGAATTCACACATGCATAAACCTGGATGTGAGAGAGAG
CTGCTTCATGGGAACCCTTGACCAATGGGGAATAGGAGTGGGTAGAAAGAAGTGAAGAGTTCTTTCAA
CATCACCATCTCAGGAAGAAGGACAAAGATTTCTCATCCATGCGGACCAACATAGGAATGCCAGGAAGGA
TG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211633 representing NM_014438
Red=Cloning site Green=Tags(s)
MNPQREAAPKSYAIRDSRQMVVLSGNLSIAAPLSRSIKPVTLHLIACRDTEFSDKEKGNMYYLGIKGD
LCLFCAEIQGKPTLQLKLQGSQDNIGKDTCKWL VGIHTCINLDVRESCFMGTLDQWIGVGRKKWKSFFQ
HHHLRKKDKDFSSMRTNIGMPGRM

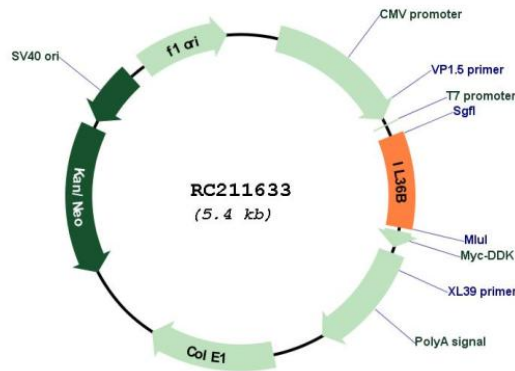
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_014438

ORF Size: 492 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_014438.5
RefSeq Size:	1182 bp
RefSeq ORF:	495 bp
Locus ID:	27177
UniProt ID:	Q9NZH7
Cytogenetics:	2q14.1
Protein Families:	Druggable Genome, Secreted Protein
MW:	18.3 kDa
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]