

Product datasheet for **MC208775**

Il18 (NM_008360) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il18 (NM_008360) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il18
Synonyms:	Igjf; Il-18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208775 representing NM_008360 Red =Cloning site Blue =ORF

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCATGTCAGAAGACTCTTGCCTCAACTCAAGGAAATGATGTTTATTGACAACACGCTTTACT
TTATACCTGAAGAAAATGGAGACCTGGAATCAGACAACTTTGGCCGACTCACTGTACAACCGCAGTAAT
ACGGAATATAAATGACCAAGTTCTCTTCGTTGACAAAAGACAGCCTGTGTTGAGGATATGACTGATATT
GATCAAAGTGCCAGTGAACCCAGACCAGACTGATAATATACATGTACAAAGACAGTGAAGTAAGAGGAC
TGGCTGTGACCTCTCTGTGAAGGATAGTAAAATGTCTACCTCTCTGTGAAGAACAAGATCATTTCCTT
TGAGGAAATGGATCCACCTGAAAATATTGATGATATACAAAGTGATCTCATATTCTTTCAGAAACGTGTT
CCAGGACACAACAAGATGGAGTTTGAATCTTCACTGTATGAAGGACACTTCTTGTCTGCCAAAAGGAAG
ATGATGCTTTCAAACCTATTCTGAAAAAAGGATGAAAATGGGGATAAATCTGTAATGTTCACTCTCAC
TAACCTTACATCAAAGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_008360
Insert Size:	579 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC024384](#), [AAH24384](#)

RefSeq Size: 876 bp

RefSeq ORF: 579 bp

Locus ID: 16173

UniProt ID: [P70380](#)

Cytogenetics: 9 27.75 cM

Gene Summary: A proinflammatory cytokine primarily involved in polarized T-helper 1 (Th1) cell and natural killer (NK) cell immune responses. Upon binding to IL18R1 and IL18RAP, forms a signaling ternary complex which activates NF-kappa-B, triggering synthesis of inflammatory mediators. Synergizes with IL12/interleukin-12 to induce IFNG synthesis from T-helper 1 (Th1) cells and natural killer (NK) cells.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.