

Product datasheet for **MC212995**

Il17c (NM_145834) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il17c (NM_145834) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il17c
Synonyms:	IL-17C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212995 representing NM_145834 Red =Cloning site Blue =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCTCCTGCTTCTAGGCTGGTTGCCTACTGGGATGACCCACCAAGATCCCCGTCCTGGGGAAAC
CCCGAAGCCATAGGACCCTGCGGTGCTACTCTGCTGAGGAATTATCTCACGGCCAGGCTCCTCCACCT
GCTAACTCGAAGTGCCAGGTGGGAGCAGGCCCTCCCTGTGGCCCTGGTGCCAGTTTGGAGGCCACGGC
CACAGGAGACAGCATGAAGGACCTCTAGCTGGAACACAGTGCCCCGTGCTGCGGCCGGAGGAGGTGCTGG
AAGCTGACACTCACGAGCGCTCCATCTCACCATGGAGATATCGCATCGACACAGATGAGAACCGCTACCC
ACAGAAGCTGGCGGTGGCAGAATGCTTGTGTCTGGATGCATCAACGCCAAGACAGGCCGTGAGACAGCT
GCCCTGAACTCGGTGCAGCTGCTGCAGAGCCTGCTGGTACTACGGCGACAGCCCTGCTCCCGAGACGGCA
CGGCGGACCCTACACCAGGATCCTTCGCCTTCCACACCGAGTTTATCCGCGTGCCTGTGCGCTGCACCTG
CGTTCTTCCCAGGTCTACACAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja1561_a06.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_145834
Insert Size:	585 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_145834.3 , NP_665833.3
RefSeq Size:	656 bp
RefSeq ORF:	549 bp
Locus ID:	234836
UniProt ID:	Q8K4C5
Cytogenetics:	8 E1
Gene Summary:	Cytokine that plays a crucial role in innate immunity of the epithelium, including to intestinal bacterial pathogens, in an autocrine manner. Stimulates the production of antibacterial peptides and proinflammatory molecules for host defense by signaling through the NFKB and MAPK pathways. Acts synergically with IL22, TNF and IL1B in inducing antibacterial peptides. May have protective function by maintaining epithelial homeostasis after an inflammatory challenge, such as that caused in the intestine by dextran sulfate sodium in a colitis model. May also promote an inflammatory phenotype, such as skin in a psoriasis model. Enhanced IL17C/IL17RE signaling may also lead to greater susceptibility to autoimmune diseases, such as autoimmune encephalitis.[UniProtKB/Swiss-Prot Function]