

Product datasheet for MR222634

Il17c (NM_145834) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Il17c (NM_145834) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: II17c

Synonyms: IL-17C

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR222634 representing NM_145834

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGTCTCCTGCTTCTAGGCTGGTTGCCTACTGGGATGACCCACCAAGATCCCCCGTCCTGGGGGAAAC
CCCGAAGCCATAGGACCCTGCGGTGCTACTCTGCTGAGGAATTATCTCACGGCCAGGCTCCTCCACACCT
GCTAACTCGAAGTGCCAGGTGGGAGCAGGCCCTCCCTGTGGCCCTGGTGGCCAGTTTGGAGGCCACGGGC
CACAGGAGACAGCATGAAGGACCTCTAGCTGGAACACAGTGCCCCGTGCTGCGGCCGGAGGAGGTGCTGG
AAGCTGACACTCACGAGCGCTCCATCTCACCATGGAGATATCGCATCGACACAGATGAGAACCGCTACCC
ACAGAAGCTGGCGGTGGCAGAATGCTTGTGCGTGGATGCATCAACGCCAAGACAGGCCGTGAGACAGCT
GCCCTGAACTCGGTGCAGCTGCTGCAGAGCCTGCTGCACCCGAGACCGCA
CGGCGGACCCTACACCAGATCCTTCGCCTTCCACACCGAGTTCATCCGCCTGCCCTGCTCCACCCTG

CGTTCTTCCCAGGTCTACACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222634 representing NM_145834

Red=Cloning site Green=Tags(s)

MSLLLLGWLPTGMTHQDPPSWGKPRSHRTLRCYSAEELSHGQAPPHLLTRSARWEQALPVALVASLEATG HRRQHEGPLAGTQCPVLRPEEVLEADTHERSISPWRYRIDTDENRYPQKLAVAECLCRGCINAKTGRETA

ALNSVQLLQSLLVLRRQPCSRDGTADPTPGSFAFHTEFIRVPVGCTCVLPRSTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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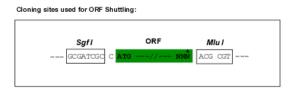
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com ORÏGENE

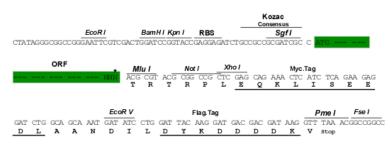
Chromatograms: https://cdn.origene.com/chromatograms/mm9007 d08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM 145834

ORF Size: 582 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: <u>NM 145834.3</u>, <u>NP 665833.3</u>

RefSeq Size: 656 bp RefSeq ORF: 549 bp Locus ID: 234836



UniProt ID: Q8K4C5

Cytogenetics: 8 E1

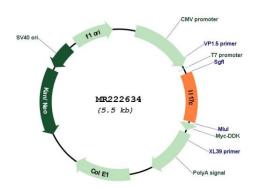
MW: 22 kDa

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]

Product images:



Circular map for MR222634