

Product datasheet for MR227682

Il17a (NM_010552) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il17a (NM_010552) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Il17a
Synonyms: Ctl; Ctl α ; Ctl α -8; Ctl α 8; Il; IL-; IL-17; IL-17A; Il17
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227682 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCCAGGGAGAGCTTCATCTGTGTCTCTGATGCTGTTGCTGCTGCTGAGCCTGGCGGCTACAGTGA
AGGCAGCAGCGATCATCCCTCAAAGCTCAGCGTGTCCAAACACTGAGGCCAAGGACTTCTCCAGAATGT
GAAGGTCAACCTCAAAGCTTTAACTCCCTTGGCGAAAAGTGAGCTCCAGAAGGCCCTCAGACTACCTC
AACCGTCCACGTCACCCTGGACTCTCCACCGCAATGAAGACCCTGATAGATATCCCTCTGTGATCTGGG
AAGCTCAGTGCCGCCACCAGCGCTGTGCAATGCGGAGGGAAAGCTGGACCACCACATGAATTCTGTTCT
CATCCAGCAAGAGATCCTGGTCCTGAAGAGGGAGCCTGAGAGCTGCCCTTCACTTTCAGGGTCGAGAAG
ATGCTGGTGGGTGTGGGCTGCACCTGCGTGGCCTCGATTGTCCGCCAGGCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227682 protein sequence
 Red=Cloning site Green=Tags(s)
 MSPGRASSVSLMLLLLLSLAATVKAAAIIQSSACPNTAKDFLQNVKVNLIKVFNSLGAKVSSRRPSDYL
 NRSTSPWTLHRNEDPDRYPSVIWEAQCRHQRCVNAEGKLDHMMNSVLIQQEILVLKREPESCPFTFRVEK
 MLVGVGCTCVASIVRQAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_010552

ORF Size: 474 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_010552.3](#), [NP_034682.1](#)

RefSeq Size: 1171 bp

RefSeq ORF: 477 bp

Locus ID: 16171

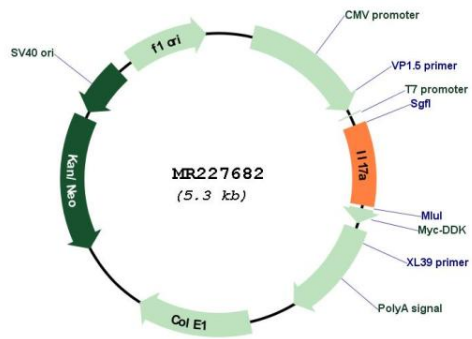
UniProt ID: [Q62386](#)

Cytogenetics: 1 A4

MW: 17.5 kDa

Gene Summary: This gene encodes a pro-inflammatory cytokine that is a member of the interleukin-17 family. The encoded protein plays a central role in host defense against diverse pathogens. The encoded protein is produced by activated T-cells and certain cell types of innate immune system. The active protein functions as either a homodimer with other interleukin-17 family members and signals through the interleukin-17 receptor to induce inflammatory cytokine production. Aberrant expression of this gene is associated with autoimmune diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR227682