

Product datasheet for MR225847

II17f (NM_145856) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: II17f (NM_145856) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: II17f
Synonyms: C87042; IL-17F
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225847 representing NM_145856
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGTGCACCCGTGAAACAGCCATGGTCAAGTCTTTGCTACTGTTGATGTTGGGACTTGCCATTCTGA
GGGAGGTAGCAGCTCGGAAGAACCCAAAGCAGGGTTCCTGCCTGCAGAAGGCTGGAACTGTCTCC
CCTGGAGGATAACACTGTGAGAGTTGACATTCGAATCTTCAACAAAACAGGGCATTCTGTCCCACGT
GAATCCAGAACCGCTCCAGTTCATGGGATTACAACATCACTCGAGACCCCAACCGGTTCCCTCAG
AGATCGCTGAGGCCAGTGCAGACACTCAGGCTGCATCAATGCCAGGGTCAGGAAGACAGCACCATGAA
CTCCGTCGCCATTAGCAAGAAATCCTGGTCCTTCGGAGGGAGCCCAAGGCTGTTCTAATTCCTCAGG
TTGGAGAAGATGCTCCTAAAAGTTGGTGCACCTGTGTCAAGCCATTGTCCACCAAGCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225847 representing NM_145856
Red=Cloning site Green=Tags(s)
MKCTRETAMVKSLLLLMLGLAILREVAARKNPKAGVPALQKAGNCPLEDNTVRVDIRIFNQNQGISVPR
EFQNRSSPWDYNI TRDPHRFPSEIAEAQCRHSGCINAQQQEDSTMNSVAIQQEILVLRREPQGCNSFR
LEKMLLVGCTCVKPIVHQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9008_a02.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145856

ORF Size: 483 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: [NM_145856.2](#), [NP_665855.2](#)

RefSeq Size: 1178 bp

RefSeq ORF: 486 bp

Locus ID: 257630

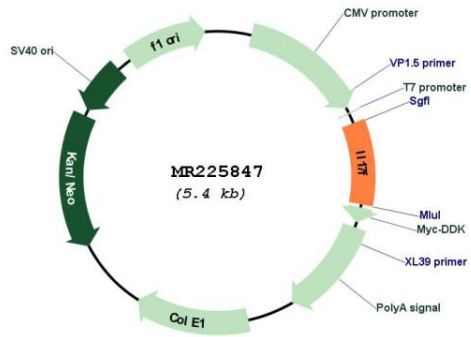
UniProt ID: [Q7TN17](#)

Cytogenetics: 1 A4

MW: 18.4 kDa

Gene Summary: Ligand for IL17RA and IL17RC (PubMed:17911633). The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC (By similarity). Involved in stimulating the production of other cytokines such as IL6, IL8 and CSF2, and in regulation of cartilage matrix turnover. Also involved in stimulating the proliferation of peripheral blood mononuclear cells and T-cells and in inhibition of angiogenesis (By similarity). Plays a role in the induction of neutrophilia in the lungs and in the exacerbation of antigen-induced pulmonary allergic inflammation (PubMed:15477493).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225847