

Product datasheet for MR227358

II13 (NM_008355) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: II13 (NM_008355) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: II13
Synonyms: II-13
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227358 representing NM_008355
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCTCTGGGTGACTGCAGTCCTGGCTCTTGCTTGCCTTGGTGGTCTCGCCGCCCCAGGGCCGGTGC
 CAAGATCTGTGTCTCTCCCTCTGACCCCTAAGGAGCTTATTGAGGAGCTGAGCAACATCACACAAGACCA
 GACTCCCTGTGCAACGGCAGCATGGTATGGAGTGTGGACCTGGCCGCTGGCGGTTCTGTGTAGCCCTG
 GATTCCCTGACCAACATCTCCAATTGCAATGCCATCTACAGGACCCAGAGGATATTGCATGGCCTCTGTA
 ACCGCAAGGCCCCACTACGGTCTCCAGCCTCCCGATACAAAATCGAAGTAGCCCACTTATAACAAA
 ACTGCTCAGCTACACAAAGCAACTGTTTCGCCACGGCCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227358 representing NM_008355
 Red=Cloning site Green=Tags(s)

MALWVTAVLALACLGGLAAPGPVPRSVSLPLTLKELIEELSNITQDQTPLCNGSMVWSVDLAAGGFCVAL
 DSLTNISNCNAIYRTQRILHGLCNRKAPTTVSSLPDTKIEVAHFITKLLSYTKQLFRHGPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1526_b05.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_008355

ORF Size: 393 bp

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](#)

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_008355.3](#), [NP_032381.1](#)

RefSeq Size: 1217 bp

RefSeq ORF: 396 bp

Locus ID: 16163

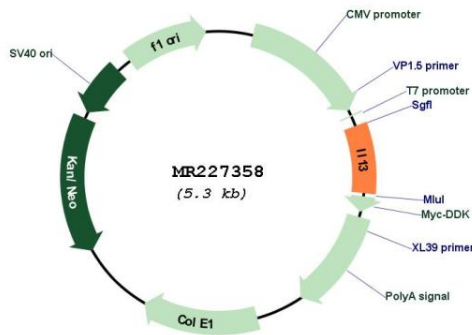
UniProt ID: [P20109](#)

Cytogenetics: 11 31.98 cM

MW: 14.6 kDa

Gene Summary: Cytokine. Inhibits inflammatory cytokine production. Synergizes with IL2 in regulating interferon-gamma synthesis. May be critical in regulating inflammatory and immune responses (By similarity). Positively regulates IL31RA expression in macrophages (PubMed:25847241).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227358