

Product datasheet for MR226273

Il15ra (NM_133836) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il15ra (NM_133836) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Il15ra
Synonyms: AA690181; IL-15RA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226273 representing NM_133836
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACCACAGAGACAGCTATTATGCCTGGCTCCAGGCTGACACCATCCCAAACAATTCTGCAGGA
 ACTACAGGGACAGGCAGTCACAAGTCTCCCGAGCCCCATCTTTGCAGCAACAATGACCTTGGAGCCTACAGC
 CTCCACCTCCCTCAGGATAACAGAGATTCTCCCCACAGTTCCAAATGACGAAAGTGGCCATCTCTACA
 TCGGTCTCTTGGTTGGTGCAGGGTGTGATGGCTTTCCTGGCCTGGTACATCAATCAAGGCAGCCTT
 CTCAGCCGTGCCGTGTTGAGGTGAAACCATGAAACAGTACCAATGACTGTGAGGGCCAGCAGCAAGGA
 GGATGAAGACACAGGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226273 representing NM_133836
 Red=Cloning site Green=Tags(s)

MTTETAIMPGSRLTPSQTTSAGTTGTGSHKSSRAPSLAATMTLEPTASTSLRITEISPHSSKMTKVAIST
 SVLLVAGVVMFLAWYIKSRQPSQPCRVEVETMETVPMTVRASSKEDEDTGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9008_b04.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_133836

ORF Size: 369 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_133836.2](#), [NP_598597.1](#)

RefSeq Size: 1465 bp

RefSeq ORF: 372 bp

Locus ID: 16169

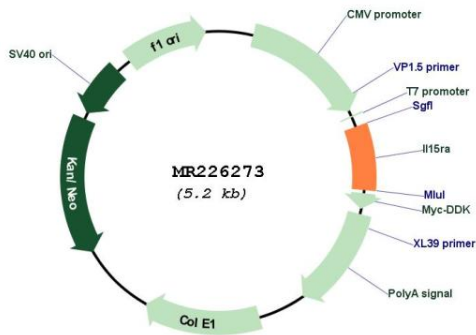
UniProt ID: [Q60819](#)

Cytogenetics: 2 8.97 cM

MW: 13.4 kDa

Gene Summary: High-affinity receptor for interleukin-15 (PubMed:17947230). Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells (PubMed:17947230). In neutrophils, binds and activates kinase SYK in response to IL15 stimulation (By similarity). In neutrophils, required for IL15-induced phagocytosis in a SYK-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226273