

Product datasheet for MR226376

Il15ra (NM_008358) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il15ra (NM_008358) 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: >MR226376 representing NM_008358
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTCGCCGAGCTCCGGGGCTATGGAGTCCAGGCCATTCTGTGTTGCTGCTGCTGCTGTTGCTAC
 TGTTGCTCCCGCTGAGGGTGACGCCGGCACCACGTGTCCACCTCCCGTATCTATTGAGCATGCTGACAT
 CCGGGTCAAGAATTACAGTGTGAACTCCAGGGAGAGGTATGTCTGTAACCTGGCTTTAAGCGGAAAGCT
 GGAACATCCACCCTGATTGAGTGTGTGATCAACAAGAACAATAATGTTGCCCACTGGACAACCTCCAGCC
 TCAAGTGCATCAGAGACCCCTCCCTAGCTCACTACAGTCCAGTGCCAACAGTAGTGACACCAAAGGTGAC
 CTCACAGCCAGAGAGCCCTCCCCCTCTGCAAAAAGAGCCAGAAGCTTTCTCTCCCAAATCAGATACCGCA
 ATGACCACAGAGACAGCTATTATGCCTGGCTCCAGGCTGACACCATCCCAACAACCTTCTGCAGGAACTA
 CAGGGACAGGCAGTCACAAGTCCTCCCGAGCCCATCTCTTGACGAACAATGACCTTGGAGCCTACAGC
 CTCCACCTCCCTCAGGATAACAGAGATTCTCCCCACAGTTCCAAAATGACGAAAGTGGCCATCTCTACA
 TCGGTCTCTTGGTTGGTGCAGGGGTTGTATGGCTTTCTGGCCTGGTACATCAAATCAAGGCAGCCTT
 CTCAGCCGTGCCGTGTTGAGGTGAAACCATGAAACAGTACCAATGACTGTGAGGGCCAGCAGCAAGGA
 GGATGAAGACACAGGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226376 representing NM_008358
Red=Cloning site Green=Tags(s)

MASPQLRGYGVQAIPVLLLLLLLLLLLLPLRVTPGTTCPPPVSIHADIRVKNYSVNSRERYVCNSGFKRKA
 GTSTLIECVINKNTNVAHWTTPSLKCIRDPSLAHYSVPVTVVTPKVTSQPESPSAKEPEAFSPKSDTA
 MTTETAIMPGRSLTPSQTTTSAGTTGTGSHKSSRAPSLAATMTLEPTASTSLRITEISPHSSKMTKVAIST
 SVLLLVGAGVMAFLAWYIKSRQPSQPCRVETMETVPMTVRASSEDEDTGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3014_h12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008358

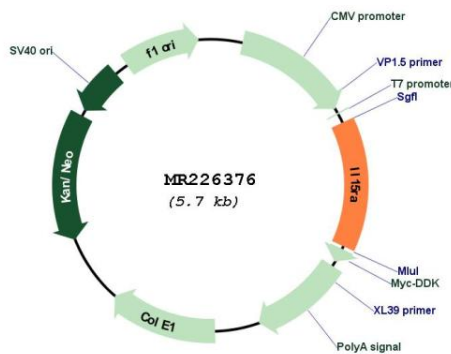
ORF Size: 792 bp

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:	<ol style="list-style-type: none"> 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_008358.2</u>
RefSeq Size:	1664 bp
RefSeq ORF:	792 bp
Locus ID:	16169
UniProt ID:	<u>Q60819</u>
Cytogenetics:	2 8.97 cM
MW:	28.1 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 MR226376