

## Product datasheet for MR227619

### Il2ra (NM\_008367) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Il2ra (NM_008367) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il2ra
Synonyms:	CD25; Il2r; Ly-43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227619 representing NM_008367 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCACGCTTGCTGATGTTGGGTTTCTCTCATTAAACCATAGTACCCAGTTGTCGGGCAGAAGTGT  
GTCTGTATGACCCACCCGAGGTCCCAATGCCACATTCAAAGCCCTCTCCTACAAGAACGGCACCATCCT  
AAACTGTGAATGCAAGAGAGGTTTCCGAAGACTAAAGGAATTGGTCTATATGCGTTGCTTAGGAACTCC  
TGGAGCAGCAACTGCCAGTGCACCAGCAACTCCCATGACAAATCGAGAAAGCAAGTTACAGCTCAACTTG  
AACACCAGAAAGAGCAACAAACCACAACAGACATGCAGAAGCCAACACAGTCTATGCACCAAGAGAACCT  
TACAGGTCACTGCAGGGAGCCACCTCCTTGAAACATGAAGATTCGAAGAGAATCTATCATTTTCGTGGAA  
GGACAGAGTGTTCACTACGAGTGTATTCCGGGATACAAGGCTCTACAGAGAGGTCCTGCTATTAGCATCT  
GCAAGATGAAGTGTGGGAAAACGGGGTGGACTCAGCCCCAGCTCACATGTGTAGATGAAAGAGAACACCA  
CCGATTTCTGGCTAGTGAGGAATCTCAAGGAAGCAGAAATTTCTTCCCAGAGTGAGACTTCTGCCCC  
ATAACCACCACAGACTTCCCACAACCCACAGAAACAATGCAATGACGGAGACATTTGTGCTCACAATGG  
AGTATAAGGTAGCAGTGGCCAGCTGCCTTCTCTGCTCATCAGCATCCTCCTCTGAGCGGGCTCACCTG  
GCAACACAGATGGAGGAAGAGCAGAAGAACCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR227619 representing NM\_008367  
Red=Cloning site Green=Tags(s)

MEPRLLMLGFLSLTIVPSCRAELCLYDPPEVPNATFKALSYKNGTILNCECKRGFRRLKELVYMRLGNS  
 WSSNCQCTSNSHDKSRKQVTAQLEHQEQQT TTD MQKPTQSMHQENL TGHCREPPPWKHEDSKRIYHFVE  
 GQSVHYECIPGYKALQRGPAISICKMKCGKTGTWQPQLTCVDEREHRFLASEESQGSRNSSPESETSCP  
 ITTTDFPQPTETTAMTETFVL TMEYKVASCLFLLISILLLSGLTWQHRWRKSRRTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9024\\_b10.zip](https://cdn.origene.com/chromatograms/mm9024_b10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008367

**ORF Size:** 804 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\\_008367.3](#), [NP\\_032393.3](#)

**RefSeq Size:** 4428 bp

**RefSeq ORF:** 807 bp

**Locus ID:** 16184

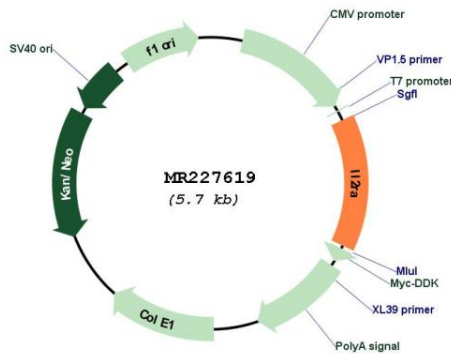
**UniProt ID:** [P01590](#)

**Cytogenetics:** 2 8.91 cM

**MW:** 31.2 kDa

**Gene Summary:** Receptor for interleukin-2. The receptor is involved in the regulation of immune tolerance by controlling regulatory T cells (TREGs) activity. TREGs suppress the activation and expansion of autoreactive T-cells.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR227619