

## Product datasheet for **RR206109**

### **Il2rg (NM\_080889) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Il2rg (NM\_080889) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Il2rg  
**Synonyms:** Ab2-183; Cd132  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206109 representing NM\_080889  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTGAAACCATTATTGCCATCTAGATCCTTCTACTCCTTCAGCTGCTTCTGCTGAGGGTAGGGTGA  
GCTCCAAGGTCTCATGTCCAGTGGGAATGAAGACACCAATCTGATCTTCTGCTGACTTCTATGGACCT  
TAAACATCTCAGTGTTCCTACTCTGCCCTCCCAGAGGTTCAATGCTTTGTGTTCAATGTCGAGTATATG  
AATTGCACCTTGAATAGCAGTTCGAGCCTCAGCCGACCAACCTCACTATGCACTATAGGTACAAGGGAT  
CTGATAATAATACATTCCAGGAGTGCAGCCACTATCTGTTCTCAAAGAGATTACTTCTGGCTGTCAGAT  
ACAAAAAGAAGATATCCAGCTCTACCAGACATTTGTTGTCCAGCTTCAGGACCCCGAAACCCAGAGG  
CGAGCCGAACAGAAGCTAAACCTACAGAATCTTGTGATCCCATGGGCTCCAGAGAATCTAACACTTTATA  
ACCTGAGTGAATCTCAGGTAGAAGTGGAGTGGAAAAGCAGATACATAGAACGCTGTTTACAATACTTGGT  
GCAGTACCGGAGCAACCGAGATCGAAGCTGGACGGAACAATAGTGGATCATGAGCCTAGATTCTCCCTG  
CCTAGTGTGGATGAACAGAAGCTGTACACATTCGGGTTTCGGAGCCGCTTAAACCCGATCTGTGGAAGTA  
CTCAACAGTGGAGTAAATGGAGCCAACCAATCCACTGGGGGAGCCATACTGCAGAGGAGAATCCTTCCTT  
GTTTGCACCTGGAAGCTGTGCTTATCCCTGTTGGCACCATGGGTTGATTATTACCCTGATCTTTGTGTAC  
TGGTGGTTGGAACGAATGCCTCGAATTCGCCCATCAAGAATCTAGAGGATCTGGTTACTGAATACCATG  
GAACTTTTCGGCCTGGAGTGGTGTGTCTAAAGGGCTGACTGAGAGTCTGCAGCCAGACTACAGTGAACG  
GTTCTGCCACGTGAGTATTCCCCGAAAGGAGGAGCCCTAGGAGAGGGGCTGGAGGCTCTCCTTGC  
AGCCTTCATAGCCCTTACTGGCTCCCCATGTTATTCTCTGAAGCTGAAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206109 representing NM\_080889  
 Red=Cloning site Green=Tags(s)

MLKPLLPSSRFLLQLLLLVRVWSSKVLMSGNEDTKSDLLLSMDLKHLSVPTLPLPEVQCFVFNVEYM  
 NCTWNSSESPQPTNLTMHYRYKGSNDNTFQECSHYLFKEITSGCQIQKEDIQLYQTFVVLQDPQKPKR  
 RAEQKLNQLNIPWAPENLTLNLSSEQVELRWKSRYIERCLQYLQYRSNRDRSWTEQIVDHEPRFSL  
 PSVDKLYTFRVRSRFPICGSTQQWSKWSQPIHWGSHTAEENPSLFALEAVLIPVGTMLIITLIFVY  
 CWLERMPRIPAIKNLEDLVTEYHGNFSAWSGVSKGLTESLQPDYSERFCHVSEIPPKGGALGEGPGGSPC  
 SLHSPYWPPPCYSLKPEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

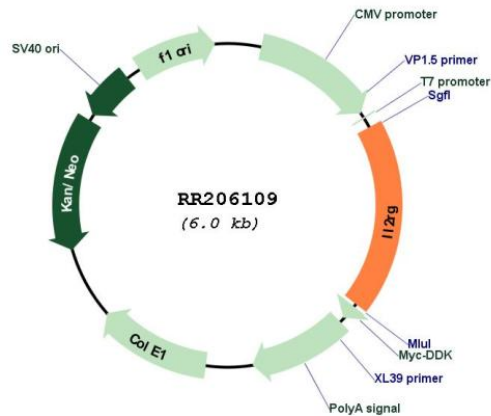
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_080889

<b>ORF Size:</b>	1104 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_080889.1</a> , <a href="#">NP_543165.1</a>
<b>RefSeq Size:</b>	1611 bp
<b>RefSeq ORF:</b>	1107 bp
<b>Locus ID:</b>	140924
<b>Cytogenetics:</b>	Xq22
<b>MW:</b>	42.4 kDa
<b>Gene Summary:</b>	cytokine receptor which contributes to ligand binding and signal transduction [RGD, Feb 2006]