

Product datasheet for MR205689

Il2rg (NM_013563) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il2rg (NM_013563) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il2rg
Synonyms:	CD132; gamm; gamma(; gamma(c); gc; p64; [g]c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205689 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGAAACTATTATTGTACCTAGATCCTTCTTAGTCCTTCAGCTGCTCCTGCTGAGGGCAGGGTGGAGCTCAAGGTCTCATGTCCAGTGCATGAAGACATCAAAGCTGATTTGATCCTGACTTCTACAGCCCC
TGAACACCTCAGTGTCTACTCTGCCCTTCCAGAGGTTCAAGTCTTTGTGTTCAACATAGAGTACATG
AATTGCACTTGAATAGCAGTTCTGAGCCTCAGGCAACCAACCTCAGCTGCACTATAGGTACAAGGTAT
CTGATAATAATACATTCCAGGAGTGCAGTCACTATTTGTTCTCCAAAGAGATTACTTCTGGCTGTCAGAT
ACAAAAAGAAGATATCCAGCTCTACCAGACATTTGTTGTCCAGCTCCAGGACCCCGAAACCCAGAGG
CGAGCTGTACAGAAGCTAAACCTACAGAATCTTGTGATCCACGGGCTCCAGAAAATCTAACACTCAGCA
ATCTGAGTGAATCCCAGCTAGAGCTGAGATGGAAAAGCAGACATATTAAGAACGCTGTTTACAATACTT
GGTGCAGTACCGGAGCAACAGAGATCGAAGCTGGACGGAATAAGTGAATCATGAACCTAGATTCTCC
CTGCCTAGTGTGGATGAGCTGAAACGGTACACATTTCCGGTTCGGAGCCGCTATAACCCAATCTGTGGAA
GTTCTCAACAGTGGAGTAAATGGAGCCAGCCTGTCCACTGGGGGAGTCATACTGTAGAGGAGAATCCTTC
CTTGTTTGCACTGGAAGCTGTGCTTATCCCTGTTGGCACCATGGGTTGATTATTACCCTGATCTTTGTG
TACTGTTGGTTGGAACGAATGCCTCCAATCCCCCATCAAGAATCTAGAGGATCTGGTTACTGAATACC
AAGGGAACTTTTCGCCCTGGAGTGGTGTCTAAAGGGCTGACTGAGAGTCTGCAGCCAGACTACAGTGA
ACGGTTCTGCCACGTGAGCGAGATTCCCCCAAAGGAGGGCCCTAGGAGAGGGGCTGGAGTTCTCCT
TGCAGCCTGCATAGCCCTTACTGGCTCCCCATGTTATTCTCTGAAGCCGGAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205689 protein sequence
Red=Cloning site Green=Tags(s)

MLKLLSPRSFLVLQLLLLRAGWSSKVLMSANEDIKADLILTSTAPEHLSAPTLPPEVQCFVFNIEYM
 NCTWNSSEPQATNLTLHYRYKVDNNTFQECSHYLFKEITSGCQIQKEDIQLYQTFVVLQDPQKQR
 RAVQKLNQLNLIIPRAPENLTLNLSSEQLERWKSRIKERCLQYLQVYRSNRDRSWTELIVNHEPRFS
 LPSVDELKRYTFRVRSRYPICGSSQQWSKWSQPVHWGSHTVEENPSLFALEAVLIPVGTMLIITLIFV
 YCWLERMPPIPPKNLELDLVTEYQGNFSAWSGVSKGLTESLQPDYSERFCHVSEIPKGGALGEGPGGSP
 CSLHSPYWPPPCYSLKPEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013563

ORF Size: 1110 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_013563.4](#)

RefSeq Size: 1612 bp

RefSeq ORF: 1110 bp

Locus ID: 16186

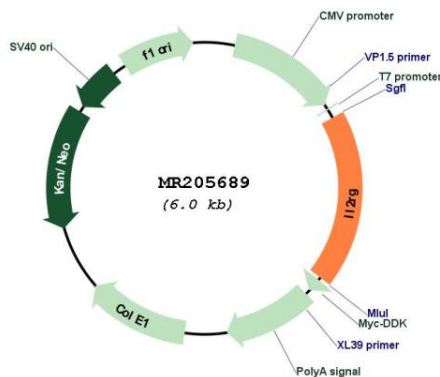
UniProt ID: [P34902](#)

Cytogenetics: X 43.9 cM

MW: 42.2 kDa

Gene Summary: This gene encodes a transmembrane protein that is a common subunit of several interleukin receptor complexes. These receptors are comprised of alpha and beta subunits in addition to this gamma subunit. Signalling through this pathway is important in immune cell differentiation and function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]

Product images:



Circular map for MR205689