

Product datasheet for **MG205689**

Il2rg (NM_013563) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il2rg (NM_013563) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Il2rg
Synonyms:	CD132; gamm; gamma(; gamma(c); gc; p64; [g]c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205689 representing NM_013563 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGAAACTATTATTGTCACCTAGATCCTTCTTAGTCCTTCAGCTGCTCCTGCTGAGGGCAGGGTGGAGCTCAAGGTCTCATGTCCAGTGC GAATGAAGACATCAAAGCTGATTTGATCCTGACTTCTACAGCCCC
TGAACACCTCAGTGCTCCTACTCTGCCCTTCCAGAGGTTCAAGTCTTTGTGTTCAACATAGAGTACATG
AATTGCACTTGAATAGCAGTTCTGAGCCTCAGGCAACCAACCTCAGCTGCACTATAGGTACAAGGTAT
CTGATAATAATACATTCCAGGAGTGCAGTCACTATTTGTTCTCCAAAGAGATTACTTCTGGCTGTCAGAT
ACAAAAAGAAGATATCCAGCTCTACCAGACATTTGTTGTCCAGCTCCAGGACCCCGAAACCCAGAGG
CGAGCTGTACAGAAGCTAAACCTACAGAATCTTGTGATCCACGGGCTCCAGAAAATCTAACACTCAGCA
ATCTGAGTGAATCCCAGCTAGAGCTGAGATGGAAGCAGACATATTAAGAAGCGTGTTTACAATACTT
GGTGCAGTACCGGAGCAACAGAGATCGAAGCTGGACGGAATAAGTGAATCATGAACCTAGATTCTCC
CTGCCTAGTGTGGATGAGCTGAAACGGTACACATTTGGGTTCCGAGCCGCTATAACCCAATCTGTGGAA
GTTCTCAACAGTGGAGTAAATGGAGCCAGCCTGTCCACTGGGGGAGTCATACTGTAGAGGAGAATCCTTC
CTTGTTGCACTGGAAGCTGTGCTTATCCCTGTTGGCACCATGGGTTGATTATTACCCTGATCTTTGTG
TACTGTTGTTGGAACGAATGCCTCCAATCCCCCATCAAGAATCTAGAGGATCTGGTTACTGAATACC
AAGGGAACTTTTCGCCCTGGAGTGGTGTGCTAAAGGGCTGACTGAGAGTCTGCAGCCAGACTACAGTGA
ACGGTTCTGCCACGTGAGCGAGATTCACCCCAAAGGAGGGGCCCTAGGAGAGGGGCTGGAGTTCTCCT
TGCAGCCTGCATAGCCCTTACTGGCCTCCCCATGTTATTCTCTGAAGCCGGAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205689 representing NM_013563
 Red=Cloning site Green=Tags(s)

MLKLLSPRSFLVLQLLLL RAGWSSKVL MSSANEDIKADLILTSTAPEHLSAPTLP LPEVQCFVFNIEYM
 NCTWNSSEPQATNLTLHYRYK VSDNNTFQEC SHYLF SKEITSGCQIQKEDIQLYQTFVVLQDPQKQR
 RAVQKLN LQNLVIPRAPENL TSNLSE S QLELRWKS RHIKERCLQYL VQYRSNRDRSWTELIVNHEPRFS
 LPSVDELKRYTFRVRSRYNPICGSSQ QWSKWSQP VHWGSHTVEENPSLFALEAVLIPVGT MGLIITLIFV
 YCWLERMPPIPP IKNLEDLVTEYQGNFSAWSGVSKGLTESLQPDYSERFCHVSEIPPKGGALGEGPGGSP
 CSLHSPYWPPPCYSLKPEA

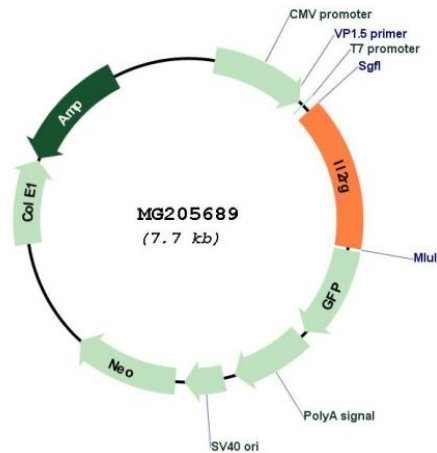
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013563

ORF Size:	1107 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:	<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:	NM_013563.4
RefSeq Size:	1612 bp
RefSeq ORF:	1110 bp
Locus ID:	16186
UniProt ID:	P34902
Cytogenetics:	X 43.9 cM
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]