

Product datasheet for **MG205016**

Il1r1 (NM_010743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1r1 (NM_010743) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Il1r1
Synonyms:	DER4; Fit-1; Ly84; St2; St2-rs1; ST2L; T1; T1/ST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205016 representing NM_010743 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGACAGACAGAGAATGGGACTTTGGGCTTTGGCAATTCTGACACTTCCCATGATTTGACAGTTA
CGGAGGGCAGTAAATCGTCCTGGGGTCTGGAAATGAGGCTTTAATTGTGAGATGCCCCAAAGAGGACG
CTCGACTTATCCTGTGGAATGGTATTACTCAGATACAAATGAAAGTATTCCTACTCAAAAAAGAAATCGG
ATCTTTGTCTCAAGAGATCGTCTGAAGTTCTACCAGCCAGAGTGAAGACTCTGGGATTTATGCTTGTG
TTATCAGAAGCCCAACTTGAATAAGACTGGATACTTGAATGTCACCATACATAAAAAGCCGCAAGCTG
CAATATCCCTGATTATTTGATGTACTCGACAGTACGTGGATCAGATAAAAATTTCAAGATAACGTGTCCA
ACAATTGACCTGTATAATTGGACAGCACCTGTTCAAGTGGTTAAGAAGCTCAGAAAGCTCTCCAAGAGCCAA
GGTTTCAGGGCACACAGGTCTACTTGTTCATTGACAACGTGACTCATGATGATGAAGGTGACTACACTTG
TCAATTCACACACGCGGAGAATGGAACCAACTACATCGTGACGGCCACCAGATCATTACAGTTGAAGAA
AAAGGCTTTTCTATGTTCCAGTAATTACAAATCCTCCATACAACCACACAATGGAAGTGGAAATAGGAA
AACCAGCAAGTATTGCCTGTTGAGCTTGGCTTTGGCAAAGGCTCTCACTTCTTGGCTGATGTCCTGTGGCA
GATTAACAAAACAGTAGTTGAAATTTGGTGAAGCAAGAATCAAGAAGAGGAAGTCAAGTAAAGT
TCCAGCAATGACATGGATTGTTAACCTCAGTGTTAAGGATAACTGGTGTGACAGAAAAGGACCTGTCCC
TGGAAATGACTGTCTGGCCCTGAACCTTCATGGCATGATAAGGCACACCATAAGGCTGAGAAGGAAACA
ACCAAGTAAGGAGTGTCCCTCACACATTGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205016 representing NM_010743
Red=Cloning site Green=Tags(s)

MIDRQRMGLWALAILTLPMLYLVTEGSKSSWGLENEALIVRCPQGRGRSTYPVEWYSDTNESIPTQKRNR
 IFVSRDLKFLPARVEDSGIYACVIRSPNLNKTGYLNVTIHKPPSCNIPDYLMYSTVRGSDKNFKITCP
 TIDLYNWTAPVQWFKNCKALQEPRFRAHRSYLFIDNVTHDDEGDYTCQFTHAENGTNYIVTATRSFTVEE
 KGFSPFPVITNPPYNHTEMEVEIGKPASIACSACFGKGSFLADVLWQINKTVVGNFGGEARIQEEEGRNES
 SSNDMDCLTSVLRITGVTEKDLSEYDCLALNLHGMIRHTIRLRRKQPSKECP SHIA

TRTRPLE - GFP Tag - V

Restriction Sites:

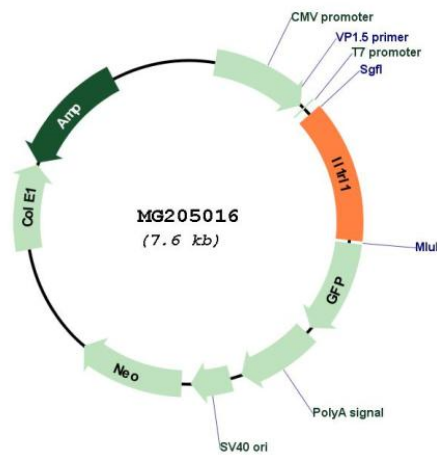
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010743

ORF Size: 1011 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_010743.3
RefSeq Size:	2667 bp
RefSeq ORF:	1014 bp
Locus ID:	17082
UniProt ID:	P14719
Cytogenetics:	1 19.19 cM
Gene Summary:	Receptor for interleukin-33 (IL-33); signaling requires association of the coreceptor IL1RAP (PubMed:18450470, PubMed:17675517). Its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8 (By similarity). Possibly involved in helper T-cell function.[UniProtKB/Swiss-Prot Function]