

Product datasheet for MR229321

Il1r1 (NM_001294171) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il1r1 (NM_001294171) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Il1r1
Synonyms: DER4; Fit-1; Ly84; St2; St2-rs1; ST2L; T1; T1/ST2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229321 representing NM_001294171
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGACAGACAGAGAATGGGACTTTGGGCTTTGGCAATTCTGACACTTCCCATGATTTGACAGTTA
 CGGAGGGCAGTAAATCGTCCTGGGGTCTGGAAAATGAGGCTTTAATTGTGAGATGCCCCAAAGAGGACG
 CTCGACTTATCCTGTGGAATGGTATTACTCAGATACAAATGAAAGTATTCCTACTCAAAAAGAAAATCGG
 ATCTTTGTCTCAAGAGATCGTCTGAAGTTCTACAGCCAGAGTGAAGACTCTGGGATTTATGCTTGTG
 TTATCAGAAGCCCAACTTGAATAAGACTGGATACTTGAATGTCACCATACATAAAAAGCCGCAAGCTG
 CAATATCCCTGATTATTTGATGTAAGTACTCGACAGTACGTGGATCAGATAAAAATTTCAAGATAACGTGTCCA
 ACAATTGACCTGTATAATTGGACAGCACCTGTTCAAGTGGTTAAGAAGTCAAAGCTCTCCAAGAGCCAA
 GGTTCAAGGCACACAGGTCTACTTGTTCATTGACAACGTGACTCATGATGATGAAGGTGACTACACTTG
 TCAATTCACACACGCGGAGAATGGAACCAACTACATCGTGACGGCCACCAGATCATTACAGTTGAAGAA
 AAAGGCTTTTCTATGTTTCCAGTAATTACAAATCCTCCATACAACCACACAATGGAAGTGGAAATAGGAA
 AACCAGCAAGTATTGCCTGTTTCAGTTGCTTTGGCAAAGGCTCTCACTTCTGGCTGATGCTCTGTGGCA
 GATTAACAAAACAGTAGTTGAAAATTTGGTGAAGCAAGAATCAAGAAGGAAGGTCAAATGAAAGT
 TCCAGCAATGACATGGATTGTTAACCTCAGTGTAAAGGATAACTGGTGTGACAGAAAAGGACCTGTCCC
 TGGAAATGACTGTCTGGCCCTGAACCTTCATGGCATGATAAGGCACACCATAAGGCTGAGAAGGAAACA
 ACCAAGTAAGGAGTGTCCCTCACACATTGCT

ACGGTACGGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229321 representing NM_001294171
Red=Cloning site Green=Tags(s)

MIDRQRMGLWALAILTLPMLTVTEGSKSSWGLENEALIVRCPQQRGRSTYPVEWYSDTNESIPTQKRNRI
 IFVSRDLKFLPARVEDSGIYACVIRSPNLNKTGYLNVTIHKPPSCNIPDYLMYSTVRGSDKNFKITCP
 TIDLYNWTAPVQWFKNCKALQEPRFRAHRSYLFIDNVTHDDEGDYTCQFTHAENGTYIYVATRSFTVEE
 KGFSMFPVITNPPYNTMEVEIGKPASIACSACFGKGSFLADVLWQINKTVVGNFGAARIQEEEGRNES
 SSNDMDCLTSLVRITGVTEKDLSEYDCLALNLHGMIRHTIRLRKQPSKECPSHIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

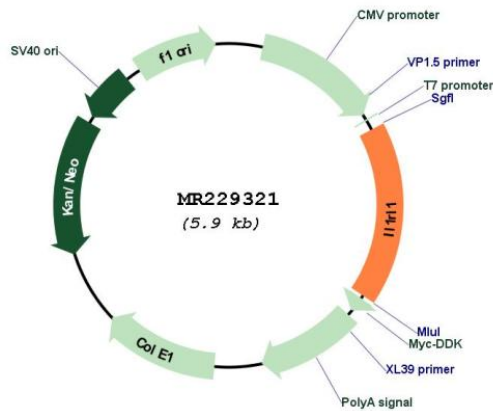
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001294171

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_001294171.1 , NP_001281100.1
RefSeq Size:	2904 bp
RefSeq ORF:	1014 bp
Locus ID:	17082
UniProt ID:	P14719
Cytogenetics:	1 19.19 cM
MW:	39 kDa
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]