

Product datasheet for MC227110

Il1r1 (NM_001294171) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1r1 (NM_001294171) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il1r1
Synonyms:	DER4; Fit-1; Ly84; St2; St2-rs1; ST2L; T1; T1/ST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227110 representing NM_001294171 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTGACAGACAGAGAATGGGACTTTGGGCTTTGGCAATTCTGACACTTCCCATGATTTGACAGTTA
CGGAGGGCAGTAAATCGTCCTGGGGTCTGGAAAATGAGGCTTTAATTGTGAGATGCCCCAAAGAGGACG
CTCGACTTATCCTGTGGAATGGTATTACTCAGATACAAATGAAAGTATTCCTACTCAAAAAAGAAATCGG
ATCTTTGTCTCAAGAGATCGTCTGAAGTTTCTACCAGCCAGAGTGAAGACTCTGGGATTTATGCTTGTG
TTATCAGAAGCCCAACTGAATAAGACTGGATACTTGAATGTCACCATACATAAAAAGCCGCAAGCTG
CAATATCCCTGATTATTTGATGTACTCGACAGTACGTGGATCAGATAAAAATTTCAAGATAACGTGTCCA
ACAATTGACCTGTATAATTGGACAGCACCTGTTCAAGTGGTTAAGAAGCTCAGAAAGCTCTCCAAGAGCCAA
GGTTTCAGGGCACACAGGTCTACTTGTTCATTGACAACGTGACTCATGATGATGAAGGTGACTACACTTG
TCAATTCACACACGCGGAGAATGGAACCAACTACATCGTGACGGCCACCAGATCATTACAGTTGAAGAA
AAAGGCTTTTCTATGTTCCAGTAATTACAAATCCTCCATACAACCACACAATGGAAGTGGAAATAGGAA
AACCAGCAAGTATTGCCTGTTTCAGCTTGCTTTGGCAAAGGCTCTCACTTCTTGGCTGATGTCCTGTGGCA
GATTAACAAAACAGTAGTTGAAATTTGGTGAAGCAAGAATTCAGAAGAGGAAGTCAAGTAAAGT
TCCAGCAATGACATGGATTGTTAACCTCAGTGTTAAGGATAACTGGTGTGACAGAAAAGGACCTGTCCC
TGGAAATGACTGTCTGGCCCTGAACCTTCATGGCATGATAAGGCACACCATAAGGCTGAGAAGGAAACA
ACCAAGTAAGGAGTGTCCCTCACACATTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



[View online »](#)

ACCN:	NM_001294171
Insert Size:	1014 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001294171.1, NP_001281100.1</u>
RefSeq Size:	2904 bp
RefSeq ORF:	1014 bp
Locus ID:	17082
UniProt ID:	<u>P14719</u>
Cytogenetics:	1 19.19 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) contains an alternate 5' terminal exon, lacks several exons, and its 3' terminal exon extends past a splice site that is used in variant 1. This results in a novel 3' coding region and 3' UTR compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a. Variants 2 and 3 encode the same isoform.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>