

Product datasheet for **MR227098**

Il1r1 (NM_001025602) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1r1 (NM_001025602) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)



[View online »](#)

ORF Nucleotide Sequence:

>MR227098 representing NM_001025602
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGACAGACAGAGAATGGGACTTTGGGCTTTGGCAATTCTGACACTTCCCATGATTTGACAGTTA
 CGGAGGGCAGTAAATCGTCCTGGGTCTGGAAAATGAGGCTTTAATTGTGAGATGCCCCAAAGAGGACG
 CTCGACTTATCCTGTGGAATGGTATTACTCAGATACAAAATGAAAGTATTCTACTCAAAAAAGAAATCGG
 ATCTTTGTCTCAAGAGATCGTCTGAAGTTTCTACCAGCCAGAGTGAAGACTCTGGGATTTATGCTTGTG
 TTATCAGAAGCCCAACTGAATAAGACTGGATACTTGAATGTCACCATACATAAAAAGCCGCCAAGCTG
 CAATATCCCTGATTATTTGATGTACTCGACAGTACGTGGATCAGATAAAAATTTCAAGATAACGTGTCCA
 ACAATTGACCTGTATAATTGGACAGCACCTGTTCACTGAGTTAAGAACTGCAAAGCTCTCCAAGAGCCAA
 GGTTCCAGGCACACAGGTCCTACTTGTTCATTGACAACGTGACTCATGATGATGAAGGTGACTACACTTG
 TCAATTACACACGCGGAGAATGGAACCAACTACATCGTGACGGCCACCAGATCATTCACAGTTGAAGAA
 AAAGGCTTTTCTATGTTTCCAGTAATTACAAATCTCCATACAACCACACAATGGAAGTGAAATAGGAA
 AACCAGCAAGTATTGCTTTCAGCTTGTCTTGGCAAAGGCTCTCACTTCTTGGCTGATGCTTGTGGCA
 GATTAACAAAACAGTAGTTGAAATTTTGGTGAAGCAAGAATTCAGAAGAGGAAGGTGCAATGAAAGT
 TCCAGCAATGACATGGATTGTTTAACTCAGTGTAAAGGATAACTGGTGTGACAGAAAAGGACCTGTCCC
 TGGAATATGACTGTCTGGCCCTGAACCTTCATGGCATGATAAGGCACACCATAAGGCTGAGAAGGAAACA
 ACCAATTGATCACCGAAGCATCTACTACATAGTTGCTGGATGTAGTTTATTGCTAATGTTTATCAATGTC
 TTGGTGATAGTCTTAAAAGTGTCTGGATTGAGTTGCTCTGTTCTGGAGAGATATAGTGACACCTTACA
 AAACCCGGAACGATGGCAAGCTCTACGATGCGTACATCATTTACCCTCGGGTCTTCCGGGCAGCGCGGC
 GGAACCCACTCTGTGGAGTACTTTGTTCAACCACTCTGCCCGACGTTCTTGAATAAATGTTGGCTAC
 AAATTGTGCATTTATGGGAGAGACCTGTTACCTGGCAAGATGCAGCCACCGTGGTGAAGCAGTATCC
 AGAATAGCAGAAGACAGGTGTTTGTCTGGCCCTCACATGATGCACAGCAAGGAATTTGCTACGAGCA
 GGAGATTGCTCTGCACAGCGCCCTCATCCAGAACAACCTCAAGGTGATTCTTATTGAAATGGAGCCTCTG
 GGTGAGGCAAGCCGACTACAGGTTGGGGACCTGCAAGATTCTCTCCAGCATCTTGTGAAAATTCAGGGGA
 CCATCAAGTGGAGGAAGATCATGTGGCCGACAAGCAGTCTTAAGTTCCAAATCTGGAAGCATGTGAG
 GTACCAAATGCCAGTCCAGAAAAGGCCTCCAAGACGGCATCTGTTGCGGCTCCGTTGAGTGGCAAGGCA
 TGCTTAGACCTGAAACACTTT

ACGCGTACGCGGCGCCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227098 representing NM_001025602
 Red=Cloning site Green=Tags(s)

MIDRQRMGLWALAILTLPMYLTVTEGSKSSWGLENEALIVRCPQRGRSTYPVEWYSDTNESIPTQKRNR
 IFVSRDLKFLPARVEDSGIYACVIRSPNLNKTGYLNVTIHKKPPSCNIPDYLMYSTVRGSDKNFKITCP
 TIDLYNWTAPVQWFKNCKALQEPRFRAHRSYLFIDNVTHDDEGDYTCQFTHAENGTNYIVTATRSFTVEE
 KGFMSFPVITNPPYNHTMEVEIGKPASIACSACFGKGSFLADVLWQINKTVVGNFGAARIQEEGRNES
 SSNDMDCLTSVLRTGVTEKDLSEYDCLALNLHGMIRHTIRLRRKQPIDHRSIYYIVAGCSLLLMFINV
 LVIVLKVFWIEVALFWRDIVTPYKTRNDGKLYDAYIIYPRVFRGSAAGTHSVEYFVHHTLPDVLNCGY
 KLCIYGRDLLPGQDAATVVESSIQNSRRQVFLAPHMMHSKEFAYEQEIALHSALIQNNSKVIILIEMEPL
 GEASRLQVGLQDSLQHLVKIQGTIKWREDHVADKQSLSSKFWKHVRYQMPVPERASKTASVAAPLSGKA
 CLDLKHF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1222_e02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001025602

ORF Size: 1701 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_001025602.3](#)

RefSeq Size: 5080 bp

RefSeq ORF: 1704 bp

Locus ID: 17082

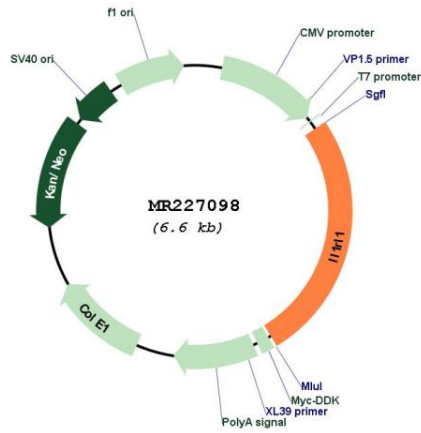
UniProt ID: [P14719](#)

Cytogenetics: 1 19.19 cM

MW: 65.3 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]

Product images:



Circular map for MR227098