

Product datasheet for **MR223965**

Il1rl2 (NM_133193) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1rl2 (NM_133193) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il1rl2
Synonyms:	AI481289; AW551444; IL-1Rrp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223965 representing NM_133193
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGTTACATCTTTGCTCTTCTGTGGGGTGTTTTTCTGCTTCTGCTTTTCGTGGCAGCAGATACGT
 GTGAGGACATTTTTATGCACAATGTGATAATTTTCAGAGGCCAGCCTTTTCTTTCAACTGCACATACCC
 GCCAGAAACAAACGGGGCAGTAAATCTGACATGGTACAAAACACCTAGCAAAAGCCAGTATCTAACAA
 AGACACCTTAGAGTTCACCAGGACCAGACCTGGATCTTGTCTTCCATTGACACTGGAGGACTCCGGTA
 TCTATCAGTGTGTATAAGGAATGCCACAACCTGCTACCAATAGCTGTGAACCTAACCGTTTTAAAAA
 CCACTGGTGTGACTCTTCCATGGAGGGGAGTCCCGTAAATTCACCAGATGTGTACCAGCAAAATATTACC
 ATAGGAAAATCGGGCAGTCTGAATTGCATCTCTACTTCCAGAAAGTTGTGCTTTGGATTCAATAAAAT
 GGTATAAGGGTGTGAAGAGATTAAGCGGGGAAAAAGTACAGCCCTTCAGGAGCAAAGCTTCTGTGAA
 CAACGTTGCTGTGGAGGACGGCGGGAGCTATGCGTGCTCAGCCAGACTGACTCACTTGGGGAGACTTC
 ACCATTAGAAACTACATTGCTGTGAACCAAGGAAGTTGAGTATGGAAGAAGGATCCCTAACATCACGT
 ATCCAAAGAACAACCTCCATTGAAGTCCACTTGGCTCCACCCCTCATCGTGAACCTGCAATATAACAGACAC
 GAAGGAGAATACAAACCTGAGGTGCTGGAGAGTCAACAACACCCTGGTGGATGACTACTACAAAGACTCC
 AAACGCATCCAGGAAGGAATCGAAACCAATGTGTCCTTGGAGGATCAAATTCGGTACACAGTGAACATA
 CATTCTTAAAAGTAAAAAGGAGGACTACGGCCGTCCTTTCACGTGTGCTGCTGGAGTGTCCGCAGCCTA
 CATCATTCTGATATACCCAGTCCAGACTTCAGGGCTTACCTCTTAGGAGGGCTTATGGCGTTCTACTT
 CTGGTTGATCTGTTCTGTTCTACTACAACAGCTTAAAGATCGACATCATGCTTTGGTACAGAAGCGCT
 TCCACACTGCCAGGCTCCAGATGATGAGAAGCTGTATGATGCCTATGCTTATACCCCAAGTACCCGAG
 AGGAAGCCAGGGCATGATGTAGACACACTGGTACTGAAGATCTTGCCCGAGGTGCTGGAGAAACAGTGT
 GGATATAAGTTATTTATATTTGGCAGGGATGAATTCCTGGACAAGCTGTGGCCAGCGTCAATTGATGAAA
 ACATTAAGCTGTGTAGGAGGCTGATGGTCTTTGTGGCACCAGAGTCGTCTAGCTTCGGCTTTCTAAAGAA
 CTTGTCAGAAGAACAATTGCCGTCTACAATGCCCTCATCCAGCATGGCATGAAGGTCATTCTGATCGAA
 CTGGAGAAAGTCAAAGACTACAGCACCATGCCGAGTCCATTGATATATCCGACAGAAGCACGGGGCCA
 TCCAATGGGATGGGACTTCACAGAGCAGTCACAGTGTGCCAAGACCAAGTCTGGAAGAAAGTGAATA
 CCATATGCCACCAGGAGGTATCCAGCATCTTCCCAGTCCAGCTGCTGGACACATACCCTGCAATTGC
 AAGGCAGGCAAAATGCAATGCTGCCACAGGGCTCATAACTCCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223965 representing NM_133193
 Red=Cloning site Green=Tags(s)

MGVTSLLFCGVFFLLLLFVAADTCEDIFMHNVIISEGQPFNFNCTYPPETNGAVNLTWYKTPSKSPVSN
 RHLRVHQDQTWILFLPLTLEDSEIYQCVIRNAHNCYQIAVNLTVLKNHWCDSMEGSPVNSPDVYQQILP
 IGKSGSLNCHLYFPESCALDSIKWYKGCEEIKAGKKYSPSGAKLLVNNVAVEDGGSYAC SARLTHLGRHF
 TIRNYIAVNTKEVEYGRRIPNITYPKNNSIEVPLGSTLIVNCNITDTKENTLRCWRVNNLTVDDYYKDS
 KRIQEGIEITNLSLRDQIRYTVNITFLKVKMEDYGRPFTCHAGVSAAYIILYYPVPDFRAYLLGGLMAFL
 LVVSVLFIYNSFKIDIMLWYRSAFHTAQAPDDEKLYDAYVLYPKYPRGSQGHVDVTLVLKILPEVLEKQC
 GYKLFIFGRDEFPGQAVASVIDENIKLCRRLMVFVAPESSFGLKNLSEEQIAVYNALIQHGMKVILIE
 LEKVVDYSTMPESIYIRQKHGAIQWDGDFTEQSQCAKTKFWKKVRYHMPPRRYPASSPVQLLGHIPCNC
 KAGKCNAAATGLITP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_a07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_133193

ORF Size: 1722 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_133193.4](#)

RefSeq Size: 1950 bp

RefSeq ORF: 1725 bp

Locus ID: 107527

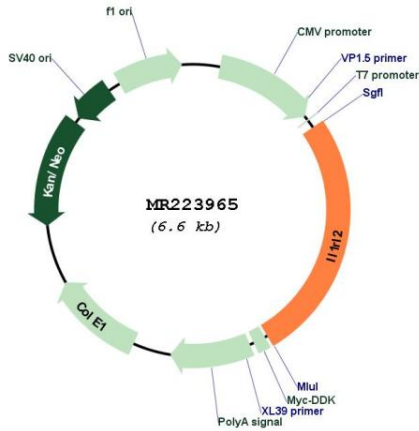
UniProt ID: [Q9ERS7](#)

Cytogenetics: 1 B

MW: 65.6 kDa

Gene Summary: Receptor for interleukin-36 (IL36A, IL36B and IL36G). After binding to interleukin-36 associates with the coreceptor IL1RAP to form the interleukin-36 receptor complex which mediates interleukin-36-dependent activation of NF-kappa-B, MAPK and other pathways. The IL-36 signaling system is thought to be present in epithelial barriers and to take part in local inflammatory response; it is similar to the IL-1 system. Seems to be involved in skin inflammatory response by induction of the IL-23/IL-17/IL-22 pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223965