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Product datasheet for MR226532

Il1rn (NM_001159562) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1rn (NM_001159562) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il1rn
Synonyms:	F630041P17Rik; IL-1ra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>MR226532 representing NM_001159562
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGCAGCACAGGCTGAGGCAGCCTGCCGCCCTTCTGGGAAAAGACCCTGCAAGATGCAAGCCTTCA
GAATCTGGGATACTAACCAGAAGACCTTTTACCTGAGAAACAACCAGCTCATTGCTGGGTACTTACAAGG
ACCAAATATCAAACTAGAAGAAAAGATAGACATGGTGCCTATTGACCTTCATAGTGTGTTCTTGGGCATC
CACGGGGGCAAGCTGTGCCTGTCTTGTGCCAAGTCTGGAGATGATATCAAGCTCCAGCTGGAGGAAGTTA
ACATCACTGATCTGAGCAAGAACAAAGAAGAAGACAAGCGCTTTACCTTCATCCGCTCTGAGAAAGGCCC
CACCACCAGCTTTGAGTCAGCTGCCTGTCCAGGATGGTTCCTCTGCACAACACTAGAGGCTGACCGTCCT
GTGAGCCTCACCAACACACCGGAAGAGCCCCTTATAGTCACGAAGTTCTACTTCCAGGAAGACCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>MR226532 representing NM_001159562
Red=Cloning site Green=Tags(s)

MTAAQAEAACRPSGKRPCKMQAFRIWDTNQKTFYLRNNQLIAGYLQGPNIKLEEKIDMVPIDLHSVFLGI
HGGKLCLSCAKSGDDIKLQLEEVNITDLSKNKEEDKRFTFIRSEKGPTTSFESAACPGWFLCTTLEADRP
VSLTNTPEEPLIVTKFYFQEDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Restriction Sites: SgfI-MluI

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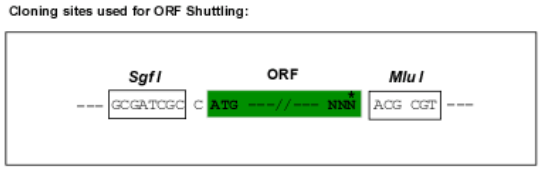
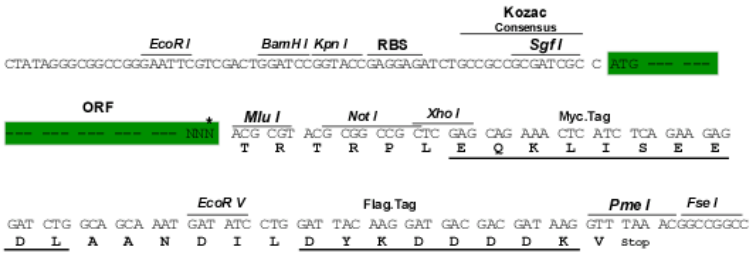
Cloning Scheme:





* The last codon before the Stop codon of the ORF

ACCN:	NM_001159562
ORF Size:	486 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_001159562.1, NP_001153034.1
RefSeq Size:	2409 bp
RefSeq ORF:	489 bp
Locus ID:	16181
Cytogenetics:	2 16.36 cM

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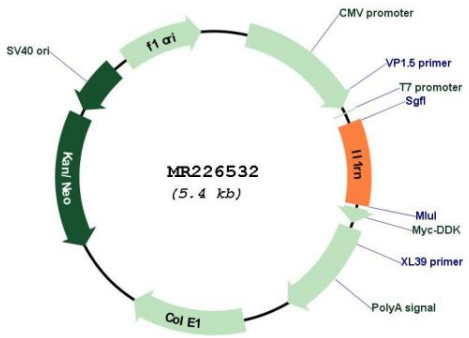
MW:	18.7 kDa
Gene Summary:	Inhibits the activity of interleukin-1 by binding to receptor IL1R1 and preventing its association with the coreceptor IL1RAP for signaling. Has no interleukin-1 like activity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226532

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