

Product datasheet for **MR225530**

Milr1 (NM_001033435) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Milr1 (NM_001033435) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Milr1 |
| Synonyms: | Allergin-1; Gm885; Mca32 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR225530 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCGATGGTGACTCGCCAATGTGCCTCTCTGCCGTTTCATTCAAGGGAATAAGATGCTGGCTGGACA
AACTGTTACTTTGGGCTCTTACAATTTCTATCACACTTCAGAATGCTGCAGTGGATTGTACGAGGGTGA
AAATAACGAATTACCTTCTCAAATCTGAAGTCAAGTATGAACGTGGTCAGGATGGGCCAAAATGTATCT
CTGTCTTGTCCACCAAGAACACATCAGTAGACATCACCTATTCGCTCTTCTGGGGTACAAAATATCTAG
AAAGCAAGAGAAGACGAGGGGGAGCTGTGGATTTCCACCTGAGGATCTCCAATGCCAACGAGTCAGGCCC
CTACAAATGCAAAGTCAATGTTTCCAACCTTGATGAAATACAGTCAGGATTTCAACTTCACAATGGCCAAA
GATGAGAGCTGCCCTTCATGCCGGCTGTCACTGTTGCTCCAGGGCTGTTACTGGGGATACTGGTAATAG
TCCTAGTTCTGGCTTATTTGATTTCATCTAAAATACAAAAAGGAAAGAAGACTCAGAGAGAGGACCAGTC
CAAGGGTCTGGAGATGCGCCTGCACAGGACGAGCTGTATGTCAACGCCTGCAAGACTCAGACAGAGCAA
CCCCAGGAGATACACTATGCCACTCCAGTCTTCAAGGAGATGGCACCCATGGAAGAAGAAGGTGGTACGG
ATGGAAAAGCTGATTACATCTACTCTGAAGTCAACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225530 protein sequence
 Red=Cloning site Green=Tags(s)

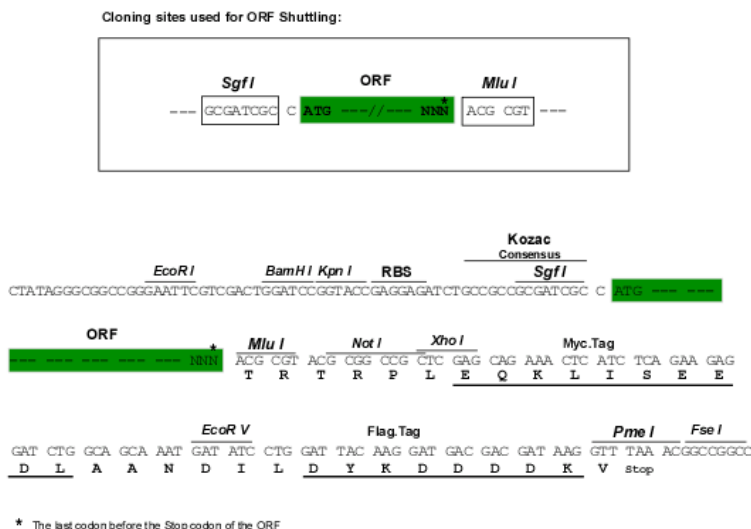
MGDGDSPMCLSAVSFKGIRCWLDKLLWALTISITLQNAAVDCTRVENNELPSPNLNSSMNVVRMGQNVSLSCSTKNTSVDITYSLFWGTYKLESKRRRGGAADFHLRISNANESGPYCKVNVSNLMKYSQDFNFTMAKDESCPSCRLSLLLPGLLLGILVIVLVLAYLIHLKYKGGKKTQREDQSKGSGDAPAQDEL VYNACKTQTEQPQEIHYATPVFKEMAPMEEEGGTDGKADYIYSELTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001033435

ORF Size: 738 bp

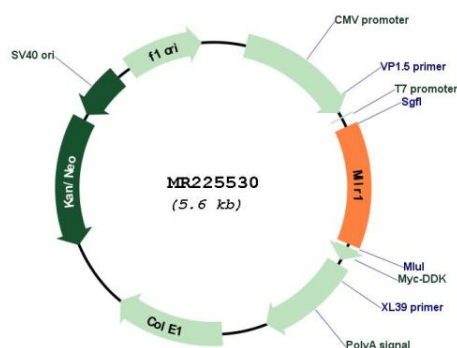
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

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| 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. |
| Note: | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| RefSeq: | <u>NM_001033435.3, NP_001028607.1</u> |
| RefSeq Size: | 1559 bp |
| RefSeq ORF: | 741 bp |
| Locus ID: | 380732 |
| UniProt ID: | <u>Q3TB92</u> |
| Cytogenetics: | 11 E1 |
| MW: | 27.4 kDa |
| Gene Summary: | Immunoglobulin-like receptor which plays an inhibitory role in degranulation of mast cells. Negatively regulates IgE-mediated mast cell activation and suppresses the type I immediate hypersensitivity reaction.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR225530