

## Product datasheet for MR228525

### Milr1 (NM\_001271375) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Milr1 (NM\_001271375) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Milr1  
**Synonyms:** Allergin-1; Gm885; Mca32  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228525 representing NM\_001271375  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGCGATGGTGACTCGCCAATGTGCCTCTCTGCCGTTTCATTCAAGGGAATAAGATGCTGGCTGGACA  
 AACTGTTACTTTGGGCTTTACAATTTCTATCACACTTCAGAATGCTGCAGTGGATTGTACGAGGGTGGAA  
 AAATAACGAATTACCTTCTCAAATCTGAAGTCAAGTGAACGTGGTCAGGATGGCCAAAATGTATCT  
 CTGTCTTGTTCACCAAGAACACATCAGTAGACATCACCTATTCGCTCTTCTGGGTACAAAATATCTAG  
 AAAGCAAGAGAAGACGAGGGGGAGCTGTGGATTTCCACCTGAGGATCTCCAATGCCAACGAGTCAGGCC  
 CTACAAATGCAAAGTCAATGTTTCCAACCTGATGAAATACAGTCAGGATTTCAACTTCACAAATGGCCAGA  
 AAGAAGACTCAGAGAGAGGACCAGTCCAAGGGTTCTGGAGATGCGCCTGCACAGGACGAGCTGTATGTCA  
 ACGCCTGCAAGACTCAGACAGAGCAACCCAGGAGATACACTATGCCACTCCAGTCTTCAAGGAGATGGC  
 ACCCATGGAAGAAGAAGGTGGTACGGATGGAAAAGCTGATTACATCTACTCTGAAGTCAACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228525 representing NM\_001271375  
 Red=Cloning site Green=Tags(s)

MGDGDSPMCLSAVSFKGIRCWLDKLLWALTISITLQNAAVDCTRVENNELPSPNLSNMMNVVRMGQNV  
 LSCSTKNTSVDITYSLFWGTYKLESKRRRGAVDFHLRISNANESGPYKCKVNVSNLMKYSQDFNFTMAR  
 KKTQREDQSKGSGDAPAQDELYNACKTQTEQPQEIHYATPVFKEMAPMEEEGGTDGKADYIYSELTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

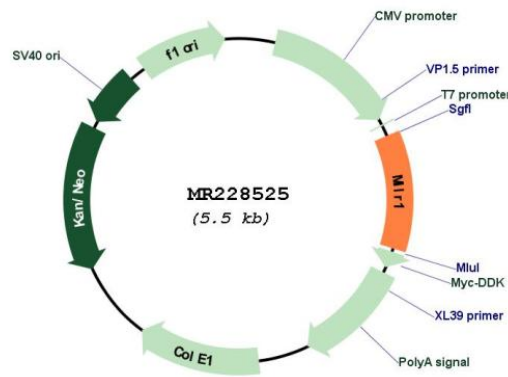


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001271375

ORF Size: 624 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\\_001271375.1](#), [NP\\_001258304.1](#)

**RefSeq Size:** 1096 bp

**RefSeq ORF:** 627 bp

**Locus ID:** 380732

**UniProt ID:** [Q3TB92](#)

**Cytogenetics:** 11 E1

**MW:** 23.7 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]