

Product datasheet for **MR228524**

Milr1 (NM_001271374) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Milr1 (NM_001271374) 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: >MR228524 representing NM_001271374
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGATGGTGACTCGCCAATGTGCCTCTCTGCCGTTTCATTCAAGGGAATAAGATGCTGGCTGGACA
AACTGTTACTTTGGGCTTTACAATTTCTATCACACTTCAGAATGCTGCAGTGGATTGTACGAGGGTGGAA
AAATAACGAATTACCTTCTCAAATCTGAAGTCAAGTATGAACGTGGTCAGGATGGCCAAAATGTATCT
CTGTCTTGTCCACCAAGAACACATCAGTAGACATCACCTATTCGCTCTTCTGGGTACAAAATATCTAG
AAAGCAAGAGAAGACGAGGGGGAGCTGTGGATTTCCACCTGAGGATCTCCAATGCCAACGAGTCAGGCC
CTACAAATGCAAAGTCAATGTTTCCAACCTGATGAAATACAGTCAGGATTTCAACTTCACAAATGGCCAGA
AAGAAGACTCAGAGAGAGGACCAGTCCAAGGGTTCTGGAGATGCGCCTGCACAGGACGAGCTGTATGTCA
ACGCCTGCAAGACTCAGACAGAGCAACCCAGGAGATACACTATGCCACTCCAGTCTTCAAGGAGATGGC
ACCCATGGAAGAAGAAGGTGGTACGGATGGAAAAGCTGATTACATCTACTCTGAAGTCAACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228524 representing NM_001271374
Red=Cloning site Green=Tags(s)

MGDGDSPMCLSAVSFKGIRCWLKLLWALTISITLQNAAVDCTRVENNELPSPNLSNMMNVVRMGQNV
LSCSTKNTSVDITYSLFWGTKYLESKRRRGAVDFHLRISNANESGPYKCKVNVSNLMKYSQDFNFTMAR
KKTQREDQSKGSDAPAQDELYNACKTQTEQPQEIHYATPVFKEMAPMEEEGGTDGKADYIYSELTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

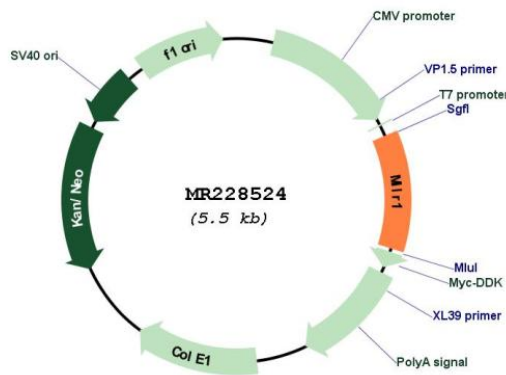


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001271374

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_001271374.1](#), [NP_001258303.1](#)

RefSeq Size: 1445 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]