

## Product datasheet for **MR228750**

### Milr1 (NM\_001271372) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Milr1 (NM\_001271372) 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:** >MR228750 representing NM\_001271372  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGATGGTGACTCGCCAATGTGCCTCTCTGCCGTTTCATTCAAGGGAATAAGATGCTGGCTGGACA  
AACTGTTACTTTGGGCTTTACAATTTCTATCACACTTCAGAATGCTGCAGTGGATTGTACGAGGGTGGAA  
AAATAACGAATTACCTTCTCAAATCTGAAGTCAAGTATGAACGTGGTCAGGATGGGCCAAAATGTATCT  
CTGTCTTGTCCACCAAGAACACATCAGTAGACATCACCTATTCGCTCTTCTGGGTACAAAATATCTAG  
AAAGCAAGAGAAGACGAGGGGGAGCTGTGGATTTCCACCTGAGGATCTCCAATGCCAACGAGTCAGGCC  
CTACAAATGCAAAGTCAATGTTTCAAACCTTGATGAAATACAGTCAGGATTTCAACTTCACAAATGGCCAAT  
GAGAGCTGCCCTTCATGCCGGCTGTCACTGTTGCTCCCAGGGCTGTTACTGGGATACTGGTAATAGTCC  
TAGTCTGGCTTATTTGATTCATCTAAAATACAAAAAGGAAAGAAGACTCAGAGAGAGGACCAGTCCAA  
GGGTTCTGGAGATGCGCCTGCACAGGACGAGCTGTATGTCAACGCCTGCAAGACTCAGACAGAGCAACCC  
CAGGAGATACACTATGCCACTCCAGTCTCAAGGAGATGGCACCCATGGAAGAAGAAGGTGGTACGGATG  
GAAAAGCTGATTACATCTACTCTGAACCTACCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228750 representing NM\_001271372  
 Red=Cloning site Green=Tags(s)

MGDGDSPMCLSAVSFKGIRCWLDKLLWALTISITLQNAAVDCTRVENNELPSPNLNSSMNVVRMGQNVSLSCSTKNTSVDITISLFWGTYLESKRRRGGAVDFHLRISNANESGPYKCKVNVSNLMKYSQDFNFTMANESCPSCLSLLLPGLLLGILVIVLVLAYLIHLKYKGGKKTQREDQSKGSGDAPAQDELYNACKTQTETPQEIHYATPVFKEMAPMEEEGTGDGKADYIYSELTH

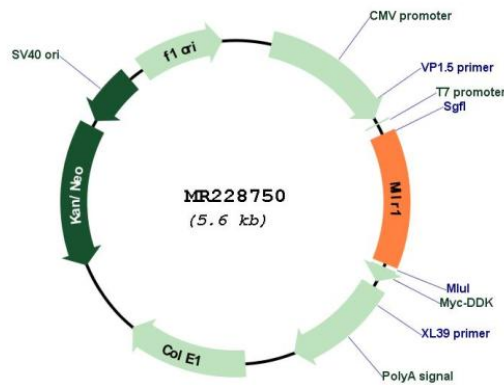
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001271372  
 ORF Size: 735 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001271372.1</a> , <a href="#">NP_001258301.1</a>
<b>RefSeq Size:</b>	1556 bp
<b>RefSeq ORF:</b>	738 bp
<b>Locus ID:</b>	380732
<b>UniProt ID:</b>	<a href="#">Q3TB92</a>
<b>Cytogenetics:</b>	11 E1
<b>MW:</b>	27.7 kDa
<b>Gene Summary:</b>	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]