

## Product datasheet for **RR209379**

### Milr1 (NM\_021585) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Milr1 (NM_021585) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Milr1
Synonyms:	Mca32
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209379 representing NM_021585 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTGGTTGGGAAGAGGAATCTTAGAAGACGAGCCCCACTCTGTAGCAGCTCAACTAACCATGGGCGATG  
ATGACACCCTGTGTGCCTCTGTGCGCCTCATGCAAGGGAGTGAGTTGCTGGCTGGACAACTCTTACT  
CTGGGCTTACTCTGTCTATCACACTCGAAACACCGCCGTGGATTGTAGGAGGGTGGACAGAAATGGA  
TTGCTTTCTCAAATCTGAACCAAGTATGAGTGTGGTCAGGATGGGCCAAAATGTATCTCTGTCTTGT  
CCAGCAAGAACACATCCATAGACATCACCTATTCGCTCTTTTTGGGTAAGAGATACCTAGAAAGCAAGAG  
GAGAAGAGGGGGAGCTGTGGATTCCACCTGAGGATCTCCAATGCCAACGAGTCAGGCCCTACAAGTGC  
AAAGTCAATGATTCCAACCTCGTCGAAATACAGTCAGAAATTTCAACTTCACAATCATCCAGGATGAGAGCT  
GCTCTTCTTGTCTACTGTGCTGTTGCTCCAGGGGTGTTATTGGGGCTAATACTCCAGGCCTGGCCTT  
TTTGATTTATTTGAAATACAAAAAGGGTGCACAGGAAAGACTCTGAAAGAGAATGAGTCCAAGGGTCT  
GGAGATGCGCCACGCAAGGGGAGCTGTATCGAATATCTGTGAACTCAAAAAGGGTCAGAACAACCTCC  
AGGAGATACACTATACTACTCCAGTCTTCAAAGAGGTGGCACCCACAGAACAAGAAGCCCTTGAGGATAG  
AAAAGATGACTACATCTACTCTGAACCTACCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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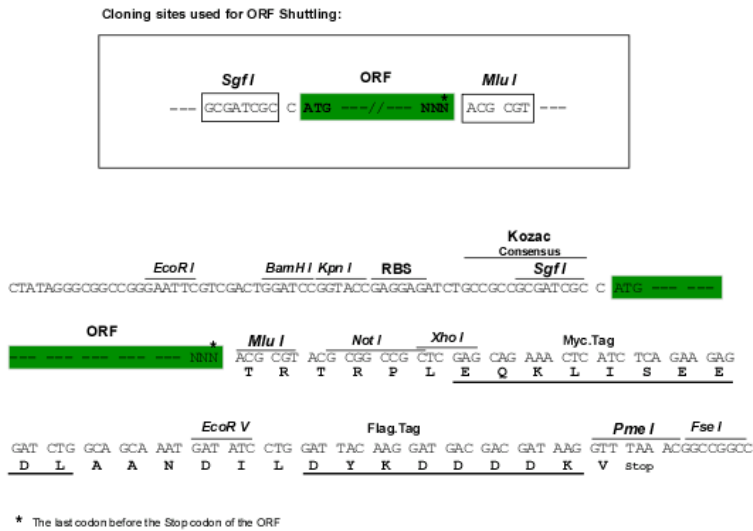
Protein Sequence: >RR209379 representing NM\_021585  
 Red=Cloning site Green=Tags(s)

MWLGRGILEDEPHSVA AQLTMGDDDPVCLSVASCKGVSCWLDKLLWALTLITL RNTAVDCRRVDRNG  
 LLSPNLNSSMSVVRMGQNVSLSCSSKNTSIDITYSLFLGKRYLESKR RRGAVDFHLRISNANESGPYKC  
 KVNDSSSKYSQNFNFTIIQDESCSSCLLSLLPGVLLGLILPGLAFLIYLKYKKGCTGKTLKENESKGS  
 GDAPTQGELYANICETQKGSEQLQEIHYYTPVFKEVAPTEQEGLEDRKDDYIYSELTY

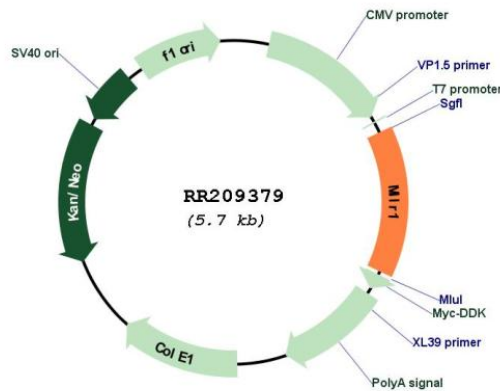
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_021585  
 ORF Size: 804 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_021585.1</a> , <a href="#">NP_067596.1</a>
<b>RefSeq Size:</b>	1659 bp
<b>RefSeq ORF:</b>	807 bp
<b>Locus ID:</b>	59105
<b>UniProt ID:</b>	<a href="#">Q62875</a>
<b>Cytogenetics:</b>	10q32.1
<b>MW:</b>	29.7 kDa
<b>Gene Summary:</b>	expression is induced in response to mast cell activation [RGD, Feb 2006]