

## Product datasheet for **MR226252**

### Runx1 (NM\_001111021) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Runx1 (NM_001111021) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Runx1
Synonyms:	AML1; CBF-alpha-2; Cbfa2; Pebp2a2; Pebpa2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR226252 representing NM\_001111021  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTTCAGACAGCATTTTTGAGTCATTTCTTCATATCCACAGTGCTTCATGAGAGATGCCAGCACGA  
 GCCGCCGCTTACGCGCCTTCCACCGCTGAGCCCCGCAAGATGAGCGAGGCGCTGCCGCTGGGCGC  
 CCCGGATGGCGCGCCCTGGCCAGCAAGCTGAGGAGCGGCGACCGCAGCATGGTGGAGTACTAGT  
 GACCACCTGGCGAGCTAGTGCGCACCGACAGCCCAACTTCTCTGCTCCGTGCTACCCACTACTGGC  
 GCTGCAACAAGACCTGCCCATCGCTTTCAAGGTGGTGGCACTGGGGACGTCCCGGATGGCACTCTGGT  
 CACCGTCATGGCAGGCAACGATGAAAATACTCGGCAGAACTGAGAAATGCTACCGCGGCCATGAAGAAC  
 CAGGTAGCGAGATTCAACGACCTCAGGTTTGTGCGGCGGAGCGGTAGAGGCAAGAGCTTCACTCTGACCA  
 TCACCGCTTTACAAATCCGCCACAAGTTGCCACCTACCATAGAGCCATCAAAATCACAGTGGACGGCCC  
 CCGAGAACCCGAAGACATCGGCAGAACTAGATGATCAGACCAAGCCCGGGAGTTTGTCTTTTCCGAG  
 CGGCTCAGTGAATTGGAGCAGCTGCGGCGCACGGCCATGAGGGTACAGCCGCACCCAGCCCCACGC  
 CCAACCTCGGGCCTCCTGAACCACTCCACTGCCTTAAACCCTCAGCCTCAAAGTCAGATGCAGGATGC  
 CAGGCAGATCCAGCCATCCCCACCGTGGTCTATGACCAGTCTACCACTACCTGGGATCCATCACCTCT  
 TCCTCTGTCCACCCAGCGACACCCATTTACCCGGCCGTGCCAGCGGCATGACCAGCCTCTCTGCAGAAC  
 TTTCCAGTCGACTCTCAACGGCTCCGGACTGACCGCCTTCGGCGACCCACGCCAGTTCCCTACTCTGCC  
 GTCCATCTCCGACCCGCGCATGCACTACCCAGGCGCCTCACCTACTCGCCGCCCGTACGTCGGGCATC  
 GGCATCGGCATGTAGCCATGAGCTCGGCTCTCGTACCACACCTACCTGCCGCCGCCCTACCCCGGCT  
 CATCACAGGCGCAGGCCGGCCCTTCCAGACCGGCTCGCCCTCCTACCATCTATACTACGGCGCCCTCGGC  
 CGGTTCTACCAGTTCTCCATGGTGGGCGGAGAGATCGCCCCGCGCATCCTGCCGCCCTGCACCAAC  
 GCATCCACCGGCGCCGCGCTGCTCAACCCAGCCTCCCCAGCCAGAGCGACGTGGTGGAGACCGAGGGCA  
 GCCATAGCAACTCGCCACCAACATGCCCCCGCGCGCCTGGAGGAGCCGTGTGGCGGCCCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226252 representing NM\_001111021  
 Red=Cloning site Green=Tags(s)

MASDSIFESFPSYPQCFMRDASTSRRFTPPSTALSPGKMSEALPLGAPDGGAAASKLRSGDRSMVEVLA  
 DHPGELVRTDSPNFLCSVLPHTWRCNKTLPIAFKVVALGDVPDGLVTVMAGNDENYSaelRNATAAMKN  
 QVARFNDLRFVGRSGRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPRRHQKLDQTKPGSLSFSE  
 RLSELEQLRRRTAMRVSPHHPAPTPNPRASLNHSTAFNPQPQSQMQDARQIQSPPPWSYDQSYQYLGSITS  
 SSVHPATPISPGRASGMTSLSAELSSRLSTAPDLTAFGDPRQFPPLPSISDPRMHYPGAFYSPPVTSGI  
 GIGMSAMSSASRYHTYLPYPPYPGSSQAQAGPFQTGSPSYHLYYGASAGSYQFSMVGGERSPPRILPPCTN  
 ASTGAALLNPSLPSQSDVVETEGSHSNSPTNMPPARLEEAVWRPY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9075\\_a02.zip](https://cdn.origene.com/chromatograms/mm9075_a02.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001111021

**ORF Size:** 1395 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\\_001111021.2](#), [NP\\_001104491.1](#)

**RefSeq Size:** 5803 bp

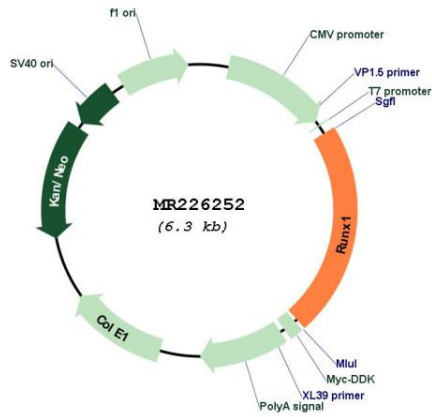
**RefSeq ORF:** 1398 bp

**Locus ID:** 12394

**Cytogenetics:** 16 53.7 cM

**MW:** 50.2 kDa

Product images:



Circular map for MR226252