

## Product datasheet for **MR226256**

### Runx1 (NM\_001111023) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Runx1 (NM_001111023) 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:**

>MR226256 representing NM\_001111023  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGTATCCCCGTAGATGCCAGCACGAGCCGCCCTTACGCCGCCCTTCCACCGCGCTGAGCCCCGGCA  
 AGATGAGCGAGGCGCTGCCGCTGGGCGCCCCGGATGGCGGCGCCGCCCTGGCCAGCAAGCTGAGGAGCGG  
 CGACCGCAGCATGGTGGAGGTAAGTACTGACCACCCTGGCGAGCTAGTGCACCGACAGCCCAACTTC  
 CTCTGCTCCGTGCTACCCACTACTGGCGCTGCAACAAGACCCTGCCATCGCTTTCAAGGTGGTGGCAC  
 TGGGGGACGTCCCGGATGGCACTCTGGTACCCTCATGGCAGGCAACGATGAAAAGTACTCGGCAGAACT  
 GAGAAATGCTACCGCGGCCATGAAGAACCAGGTAGCGAGATTCAACGACCTCAGGTTTGTGGGGCGGAGC  
 GGTAGAGGCAAGAGCTTCACTCTGACCATACCCTCTTTACAAAATCCGCCACAAGTTGCCACCTACCATA  
 GAGCCATCAAAATCACAGTGGACGGCCCCGAGAACCCGAAGACATCGGCAGAACTAGATGATCAGAC  
 CAAGCCCGGAGTTTGTCTTTTCCGAGCGGCTCAGTGAATTGGAGCAGCTGCGGCGCACGCCATGAGG  
 GTCAGCCCGCACCCAGCCGCCACGCCCCAACCCCTCGGGCCTCCTTGAACCACTCCACTGCCTTTAACCC  
 CTCAGCCTCAAAGTCAGATGCAGGATGCCAGGCAGATCCAGCCATCCCCACCGTGGTCTATGACCAGTC  
 CTACCAGTACCTGGGATCCATCACCTCTTCTCTGTCCACCCAGCGACACCCATTTACCCGGCCGTGCC  
 AGCGGCATGACCAGCCTCTGTCAGAACTTTCCAGTGCAGTCTCAACGGTCCGGACCTGACCGCCTTCG  
 GCGACCCACGCCAGTTCCTACTCTGCCGTCCATCTCCGACCCGCGCATGCACTACCCAGGCGCCTTAC  
 CTACTCGCCGCCCGTACGTCGGGCATCGGCATCGGCATGTCAGCCATGAGCTCGGCCTCTCGCTACCAC  
 ACCTACCTGCCCGCCCTACCCCGGCTCATCACAGGCGCAGGCCGGGCCCTTCCAGACCGGCTCGCCCT  
 CCTACCATCTATACTACGGCGCCTCGGCCGTTTCTACCAGTTCTCCATGGTGGGGGAGAGAGATCGCC  
 CCGCGCATCTGCCGCCCTGCACCAACGCATCCACCGGCGCGCTGCTCAACCCAGCCTCCCCAGC  
 CAGAGCGACGTGGTGGAGACCGAGGCGAGCCATAGCAACTCGCCACCAACATGCCCCCGCGCGCCTGG  
 AGGAGGCCGTGTGGCGGCCCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226256 representing NM\_001111023  
 Red=Cloning site Green=Tags(s)

MRIPVDASTSRRFTPPSTALSPGKMSEALPLGAPDGGALASKLRSGDRSMVEVLADHPGELVRTDSPNF  
 LCSVLPTHWRCKTLPIAFKVVVALGDVPDGLVTVMAGNDENYSaelRNATAAMKNQVARFNDLRFVGRS  
 GRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPRRHRQKLDQTKPGSLSFSERLSELEQLRRTAMR  
 VSPHHPAPTPNPRASLNHSTAFNPQPQSQMQDARQIQSPSPWSYDQSYQYLGSISSSVHPATPISPGRA  
 SGMTLSAELSSRLSTAPDLTAFGDPRQFPTLPSISDPRMHYPGAFYSPPVTSIGIGIMSAMSSASRYH  
 TYLPPYPGSSQAQAGPFQTGSPSYHLYYGASAGSYQFSMVGGERSPPRILPPCTNASTGAALLNPSLPS  
 QSDVVETEGSHSNPTNMPPARLEEAVWRPY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2652\\_d02.zip](https://cdn.origene.com/chromatograms/ja2652_d02.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_001111023

**ORF Size:** 1353 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

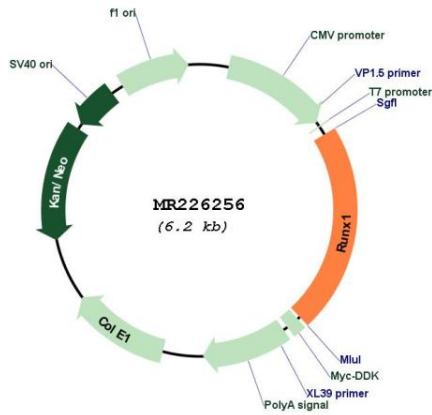
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001111023.2](#), [NP\\_001104493.1](#)  
 RefSeq Size: 7137 bp  
 RefSeq ORF: 1356 bp  
 Locus ID: 12394  
 Cytogenetics: 16 53.7 cM  
 MW: 49 kDa

**Product images:**



Circular map for MR226256