

## Product datasheet for **MR225399**

### Runx3 (NM\_019732) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Runx3 (NM_019732) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Runx3
Synonyms:	AML2; Cbfa3; Pebp2a3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR225399 representing NM\_019732  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTTCCAACAGCATCTTTGACTCCTTCCCAACTATACACCAACCTTCATACGAGACCCGAGCACCA  
 GCCGCCGCTTCACTCCCCCTCCACGGCTTCCCTGCGGCGGGCGGGCGGCAAGATGGGCGAGAA  
 CAGCGGCGCTAAGCGCGCAGGCAACCGGGCCCCGCGGCCGACCCGGCCGAAAGTGCCTCGATG  
 GTGGACGTGCTGGCCGACCACGCGGGAGAGCTCGTGCGCACCCAGCCCCAACTTCTCTGCTCCGTGC  
 TGCCCTCGCACTGGCGTGAACAAGACGCTGCCGGTGCCTTCAAGTGGTGGCCCTGGGGATGTGCC  
 GGATGGAACGGTGGTACCGTGATGGCCGGCAATGATGAGAACTACTCCGCCGAGCTGCGCAACGCTTCC  
 GCTGTGATGAAGAACAAGTGGCCAGTTCAACGACCTTCGATTCGTGGCCGCGAGTGGGCGAGGAAGA  
 GTTTCACGCTCACAATCACCGTGTTCACCAACCCTACCAAGTGGCTACCTACCACCGAGCCATCAAGT  
 CACTGTGGATGGACCCCGGAACCCGACGGCACCGGCGAGAAGATAGAAGACCAGACCAAGCCCTCCCC  
 GACCGCTTTGGAGACCTGCGCATGCGTGTAAACCAAGCACACCCAGCCCCGCTGCTCTCAGCACCA  
 CGAGCCACTTCAGCAGCCAGGCCAGACCCCAATCCAAGGCTCCTCAGACCTGAACCCCTTCTCCGACCC  
 CCGCCAGTTTGACCGCTCCTTCCCTACGCTGCAGAGCCTCACAGAGAGCCGCTTCCCGGACCCAGGATG  
 CACTACCCGGGAGCCATGTCTGCCGCTTCCCTACAGCGCCACACCATCGGGCACCAGCCTGGGCGAGCC  
 TGAGCGTGGCGGGCATGCCGGCCAGCAGCCGCTTCCACACACCTACCTCCCTCCGCCCTACCCGGGGC  
 CCCACAGAGCCAGAGCGGGCCCTTTCAGGCAACCCCGCGCCCTACCACCTTTTTACGGCGCTCCTCC  
 GGCTCCTACCAGTTCTCCATGGCAGCCGCGGGAGGTGGTGAAGCGCTCGCCACCCGATGCTGACCTCCT  
 GCCCAGCGGCGCTTCGGTGTGAGCAGGCAACCTCATGAACCCAGCCTGGGCCAGGCTGATGGCGTGGA  
 AGCCGACGGCAGCCACAGCAACTCGCCACGGCCCTGAGCACGCCGGCCGCGCATGGACGAGGCCGTGTGG  
 CGGCCCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR225399 representing NM\_019732  
 Red=Cloning site Green=Tags(s)

MASNSIFDSFPNYPTFIRDPSTSRRFTPPSTAFPCGGGGGKMGENSGALSAQATAGPGRTRPEVRSM  
 VDVLADHAGELVRTDSPNFLCSVLPVSHWRCNKLPVAFKVVVALGDVDPDGTVVTVMAGNDENYSAELRNAS  
 AVMKNQVARFNDLRFVGRSGRGSFTLITVFTNPTQVATYHRAIKVTVDGPREPRRHRQKIEDQTKAFP  
 DRFGDLRMRVTPSTSPRGSSTTSHFSSQAQTPIQSSDLNPFSDPRQFDRSFTLQSLTESRFPDPRM  
 HYPGMSAAFPYSATPSGTSLGSLSVAGMPASSRFHHTYLPPPYPGAPQSQSGPFQANPAPYHLFGASS  
 GSYQFSMAAAGGERSPTRMLTSCPSGASVSAGNLMNPQLGQADGVEADGSHSNSPTALSTPGRMDEAVW  
 RPY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9036\\_g12.zip](https://cdn.origene.com/chromatograms/mm9036_g12.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_019732

**ORF Size:** 1269 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.

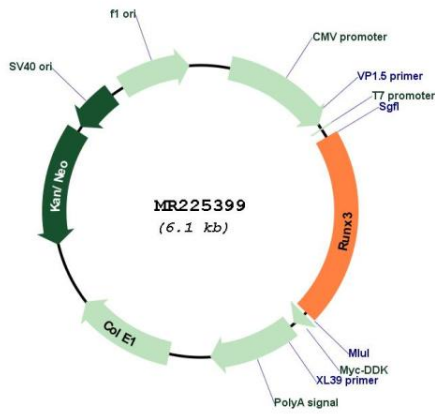
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_019732.2](#), [NP\\_062706.2](#)

RefSeq Size: 3891 bp  
 RefSeq ORF: 1272 bp  
 Locus ID: 12399  
 Cytogenetics: 4 67.19 cM  
 MW: 45.6 kDa

**Product images:**



Circular map for MR225399