

## Product datasheet for **MC215921**

### Runx1 (NM\_001111023) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Runx1 (NM_001111023) Mouse Untagged Clone
Tag:	Tag Free
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)



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**Fully Sequenced ORF:** >MC215921 representing NM\_001111023  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGTATCCCCGTAGATGCCAGCACGAGCCGCCCTTACGCCGCCCTTCCACCGCGCTGAGCCCCGGCA  
 AGATGAGCGAGGCGCTGCCGCTGGGCGCCCCGGATGGCGGCGCCCTGGCCAGCAAGCTGAGGAGCGG  
 CGACCGCAGCATGGTGGAGGTAAGTACTGACCACCCTGGCGAGCTAGTGCACCGACAGCCCCAACTTC  
 CTCTGCTCCGTGCTACCCACTACTGGCGCTGCAACAAGACCCTGCCATCGCTTCAAGGTGGTGGCAC  
 TGGGGGACGTCCCGGATGGCACTCTGGTACCCTCATGGCAGGCAACGATGAAAATACTCGGCAGAACT  
 GAGAAATGCTACCGCGGCCATGAAGAACCAGGTAGCGAGATTCAACGACCTCAGGTTTGTGGGCGGAGC  
 GGTAGAGGCAAGAGCTTCACTCTGACCATACCCTCTTTACAAAATCCGCCACAAGTTGCCACCTACCATA  
 GAGCCATCAAAATCACAGTGGACGGCCCCGAGAACCCGAAGACATCGGCAGAACTAGATGATCAGAC  
 CAAGCCCGGAGTTTGTCTTTTCCGAGCGGCTCAGTGAATTGGAGCAGCTGCGGCGCACGGCCATGAGG  
 GTACGCCCGCACCCAGCCCGCCACGCCAACCCCTCGGGCCTCCTTGAACCACTCCACTGCCTTTAACCC  
 CTCAGCCTCAAAGTCAGATGCAGGATGCCAGGCAGATCCAGCCATCCCCACCGTGGTCTATGACCAGTC  
 CTACCAGTACCTGGGATCCATCACCTCTTCTCTGTCCACCCAGCGACACCCATTTACCCGGCCGTGCC  
 AGCGGCATGACCAGCCTCTGTCAGAACTTCCAGTGCAGTCTCAACGGTCCGGACCTGACCGCCTTCG  
 GCGACCCACGCCAGTTCCTACTCTGCCGTCCATCTCCGACCCGCGCATGCACTACCCAGGCGCCTTAC  
 CTACTCGCGCCCGTACGTCGGGCATCGGCATCGGCATGTCAGCCATGAGCTCGGCCTCTCGCTACCAC  
 ACCTACCTGCCCGCCCTACCCCGGCTCATCACAGGCGCAGGCGGGCCCTTCCAGACCGGCTCGCCCT  
 CCTACCATCTATACTACGGCGCCTCGGCGGTTCTACCAGTTCTCCATGGTGGGCGGAGAGAGATCGCC  
 CCGCGCATCCTGCCGCCCTGCACCAACGCATCCACCGGCGCGCGCTGCTCAACCCAGCCTCCCCAGC  
 CAGAGCGACGTGGTGGAGACCGAGGCGAGCCATAGCAACTCGCCACCAACATGCCCCCGCGCGCCTGG  
 AGGAGGCCGTGTGGCGGCCCTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2276\\_f05.zip](https://cdn.origene.com/chromatograms/ja2276_f05.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001111023

**Insert Size:** 1356 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](#)

<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>	<u>NM_001111023.2, NP_001104493.1</u>
<b>RefSeq Size:</b>	7138 bp
<b>RefSeq ORF:</b>	1356 bp
<b>Locus ID:</b>	12394
<b>Cytogenetics:</b>	16 53.7 cM