

## Product datasheet for **SC126157**

### **RUNX3 (BC013362) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RUNX3 (BC013362) Human Untagged Clone
Tag:	Tag Free
Symbol:	RUNX3
Synonyms:	acute myeloid leukemia gene 2; AML2; CBFA3; core-binding factor, runt domain, alpha subunit 3; FLJ34510; MGC16070; OTTHUMP00000003370; OTTHUMP00000003371; PEA2 alpha C; PEBP2 alpha C; PEBP2aC; polyomavirus enhancer-binding protein 2 alpha C subunit; trans
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC013362 edited  
 GGCGGCCACTCTGCTCTGTGACACTTCGGAGCTCCTCCACCCTGGCTGCCGAAAGCCCCT  
 TCCCGCCATCTAATGATACACTCTGCATACGCTTCTGTTGAGAATTTGTGGCTAGACATT  
 CCTGTGGGACCGGGAATCCAAATTTCTGGTAGCTAGAGGAAAAAAAAAATAAAACAACAGC  
 CAACCAAGTGAATCCCAACCAACCCCTGAAGGGCTGAAATTTCTCGCCTTCTTCAGAG  
 CGGGGCATGGCATCGAACAGCATCTTCTGACTCCTTCCCGACCTACTCGCCGACCTTCATC  
 CGCGACCAAGCACCAGCCGCGCTTACACCTCCCTCCCGGCCTTCCCTGCGGCGGC  
 GGCGGCGCAAGATGGGCGAGAACAGCGCGCGCTGAGCGCGCAGGCGGCGTGGGGCCC  
 GGAGGGCGCGCCCGCCGAGGTGCGCTCGATGGTGGACGTGCTGGCGGACCACGAGGC  
 GAGCTCGTGCACCCGACAGCCCAACTTCTCTGCTCCGTGCTGCCCTCGCACTGGCGC  
 TGCAACAAGACGCTGCCCGTTCGCTTCAAGGTGGTGGCATTGGGGGACGTGCCGGATGGT  
 ACGGTGGTACTGTGATGGCAGGCAATGACGAGAACTACTCCGCTGAGCTGCGCAATGCC  
 TCGGCCGTATGAAGAACCAGGTGGCCAGGTTCAACGACCTTCTGTTCTGGGCCGAGT  
 GGGCGAGGAAGAGTTTACCCTGACCATCACTGTGTTACCAACCCACCAAGTGGCG  
 ACCTACCACCGAGCCATCAAGGTGACCGTGACGAGCCCGGGAGCCAGACGGCACCGG  
 CAGAAGCTGGAGGACCAGACCAAGCCGTTCCCTGACCGCTTGGGGACCTGGAACGGCTG  
 CGCATGCGGGTGACACCGAGCACACCCAGCCCGAGGGTCACTCAGCACCACAAGCCAC  
 TTCAGCAGCCAGCCAGACCCCAATCCAAGGCACCTCGGAACTGAACCCATTCTCCGAC  
 CCCCAGGTTTACCGCTCCTTCCCGACGCTGCCAACCTCACGGAGAGCCGCTTCCCA  
 GACCCAGGATGCATTATCCCGGGGCAATGTCAGCTGCCTTCCCTACAGCGCCACGCCC  
 TCGGGCAGGATCAGCAGCCTCAGCGTGGCGGGCATGCCGGCCACCAGCCGCTTCCAC  
 CATACTACCTCCCGCCACCTACCCGGGGCCCGCAGAACCAGAGCGGGCCCTTCCAG  
 GCCAACCCGTCCTTACCACCTACTACGGGACATCCTTGGCTCCTACCAGTTCTCC  
 ATGGTGGCCGGCAGCAGCAGTGGGGGCGACCGCTCACCTACCCGATGCTGGCCTTTGC  
 ACCAGCAGCGCTGCCTCTGTGCGCCGCGCAACCTCATGAACCCAGCCTGGGCGGCCAG  
 AGTGATGGCGTGGAGGCCGACGGCAGCCACAGCAACTACCCACGGCCCTGAGCACGCCA  
 GGCCGATGGATGAGGCCGTGTGGCGGCCACTGACCGCCCTGGTGGACTCCTCCCGCT  
 GGAGGCGGGGACCCTAACAACCTTCAAGACCAGTATGGGCGGGTCCGAGGCTCCGGGC  
 GGAATGGGACCTGCGCTCCAGGGTGGTCTCGGTCCCAGGGTGGTCCCAGCTGGTGGGAG  
 CCTCTGGCTGCATCTGTGCAGCCACATCCTTGTACAGAGGCATAGGTTACCACCCACC  
 CCGGCCCGGATACTGCCCCCGCCAGATCCTGGCCGCTCATCCCATCTTCTGTGGG  
 GAATCAGCTCCTGCCACCCCGGAAGGACCTCACTGTCTCCAGCTATGCCAGTGCT  
 GCATGGGACCCATGTCTCCTGGGACAGAGGCCATCTCTTCCAGAGAGAGGCAGATTG  
 GCCCACAGGATAAGCCTCAGGCCCTGGGAAACCTCCCGACCCCTGCACCTTCGTTGGAGC  
 CCCTGCATCCCCTGGGTCCAGCCCCCTCTGCATTTACACAGATTTGAGTCAGAATGGAA  
 AGTGTCCCCACCCACCACCTCGAGCGGGGTTCCCTCATTTGACAGATGGGGCAGG  
 ACCCAGCAGCTGCTGGCAGAGATGGTTTGAGAACACATCCAAGCCAGTCCCCCAGCCC  
 AGCTTCCCCTCCGTTCTAACTGTTGGCTTCCCCAGCCGACGGGTCCCAGGCCCCAG  
 AGAAGATGAGTCTATGGCATCAGGTTCTTAAACCCAGGAAAGCACCTACAGACCGGCTCC  
 TCCATGCACTTTACCAGCTCAACGCATCCTACTCTGTTCTCTTGGCAGGGCGGGGAGG  
 GGGGATAGGAGGTCCCCTTCCCTAGGTGGTCTCATAATTCCATTTGTGGAGAGAACAG  
 GAGGGCCAGATAGATAGGTCCTAGCAGAAGGCATTGAGGTGAGGGATCATTTTGGGTGAG  
 ACATCAATGTCCCTGTCCCCCTGGGTCCAGCCAAGCTGTGCCCATCCCCAAGCCTCC  
 TGGGAGGATCCAGCCAAATCTTGGGACTCCTGGCACACACCTGTCTGTAACCTGTTTTGT  
 GCTCTGAAAGCAAATAGTCTGAGCAAAAAAAAAACAAAAAAAAAAAAAAAAAAAAAAAA  
 A

**Restriction Sites:** Please inquire  
**ACCN:** BC013362

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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="#">BC013362.2</a> , <a href="#">AAH13362.1</a>
<b>RefSeq Size:</b>	2641 bp
<b>Locus ID:</b>	864
<b>Cytogenetics:</b>	1p36.11
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]