

Product datasheet for **MR226250**

Runx1 (NM_009821) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Runx1 (NM_009821) 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)
ORF Nucleotide Sequence: >MR226250 representing NM_009821
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGTATCCCCGTAGATGCCAGCAGAGCCGCCGTTACGCCGCCTCCACCGCGCTGAGCCCCGGCA
 AGATGAGCGAGGCGCTGCCGCTGGGCGCCCCGGATGGCGCGCCGCTGGCCAGCAAGCTGAGGAGCGG
 CGACCGCAGCATGGTGGAGGTAAGTACTGACACCCTGGCGAGCTAGTGGCACCAGCAGCCCCAACTTC
 CTCTGCTCCGTGCTACCCACTACTGGCGCTGCAACAAGACCCTGCCATCGCTTCAAGGTGGTGGCAC
 TGGGGGACGTCCCGGATGGCACTCTGGTACCGTTCATGGCAGGCAACGATGAAAATACTCGGCAGAACT
 GAGAAATGCTACCGCGGCCATGAAGAACCAGGTAGCGAGATCAACGACCTCAGGTTGTGGGGCGGAGC
 GGTAGAGGCAAGAGCTTCACTCTGACCATCACCGTCTTTACAAATCCGCCACAAGTTGCCACCTACCATA
 GAGCCATCAAAATCACAGTGGACGGCCCCGAGAACCCGAAATGCCAGGCGAGATCCAGCCATCCCCACC
 GTGGTCTATGACCAGTCTACAGTACCTGGGATCCATCACCTTCTCTGTCCACCCAGCGACACCC
 ATTTACCCGGCCGTGCCAGCGGCATGACCAGCCTCTCTGCGAAGTTCAGTGGACTCTCAACGGCTC
 CGGACCTGACCGCCTTCGGCGACCCACGCCAGTTCCTACTCTGCCGTCATCTCCGACCCGCGCATGCA
 CTACCCAGGCGCCTTACCTACTCGCCGCCCGTACGTCGGGCATCGGCATCGGCATGTCAGCCATGAGC
 TCGGCCCTCTCGTACCACACCTACCTGCCGCCGCCCTACCCGGCTCATCACAGGCGAGCCGGGCCCT
 TCCAGACCGGCTCGCCCTCTACCATCTATACTACGGCGCCTCGCCGGTTCTACCAGTTCTCCATGGT
 GGGCGGAGAGAGATCGCCCCGCGCATCTGCCGCCCTGCACCAACGCATCCACCGGCGCCGCGCTGCTC
 AACCCAGCCTCCCAGCCAGAGCGACGTGGTGGAGACCAGGGCAGCCATAGCAACTCGCCACCAACA
 TGCCCCCGCGCGCTGGAGGAGCCGTGTGGCGCCCTAC

ACGGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226250 representing NM_009821
Red=Cloning site Green=Tags(s)

MRIPVDASTSRRFTPPSTALSPGKMSEALPLGAPDGGAAALASKLRSGDRSMVEVLADHPGELVRTDSPNF
 LCSVLPHTWRCNKTLPIAFKVVALGDVPDGLVTVMAGNDENYSAELRNATAAMKNQVARFNDLRFVGRS
 GRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPARNARQIQSPSPWSYDQSYQYLSITSSSVHPATP
 ISPGRASGMTLSAELSSRLSTAPDLTAFGDPRQFPTLPSISDPRMHYPGAFTYSPVPTSGIGIGMSAMS
 SASRYHTYLPPTYPGSSQAQAGPFQTGSPSYHLYYGASAGSYQFSMVGGERSPPRILPPCTNASTGAALL
 NPSLPSQSDVVETEGSHSNSPTNMPPARLEEAVWRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2652_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009821

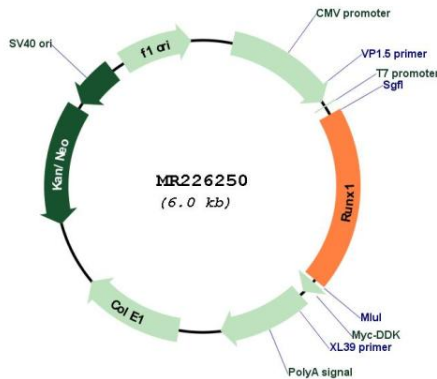
ORF Size: 1161 bp

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 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_009821.3](#)
- RefSeq Size:** 6945 bp
- RefSeq ORF:** 1164 bp
- Locus ID:** 12394
- Cytogenetics:** 16 53.7 cM
- MW:** 41.7 kDa

Product images:



Circular map for MR226250