

Product datasheet for **MG226250**

Runx1 (NM_009821) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Runx1 (NM_009821) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Runx1
Synonyms:	AML1; CBF-alpha-2; Cbfa2; Pebp2a2; Pebpa2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226250 representing NM_009821 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGTATCCCCGTAGATGCCAGCAGAGCCGCCGTTACGCCGCCTTCCACCGCGCTGAGCCCCGGCA
AGATGAGCGAGGCGCTGCCGCTGGGCGCCCCGGATGGCGCGCCGCCCTGGCCAGCAAGCTGAGGAGCGG
CGACCGCAGCATGGTGGAGGTAAGTACTGACACCCTGGCGAGCTAGTGCACCGACAGCCCCAACTTC
CTCTGCTCCGTGCTACCCACTACTGGCGCTGCAACAAGACCCTGCCATCGCTTCAAGGTGGTGGCAC
TGGGGGACGTCCCGGATGGCACTCTGGTACCCTCATGGCAGGCAACGATGAAAATACTCGGCAGAACT
GAGAAATGCTACCGCGGCCATGAAGAACCAGGTAGCGAGATTCAACGACCTCAGGTTGTGGGGCGGAGC
GGTAGAGGCAAGAGCTTCACTCTGACCATCACCGTCTTTACAAATCCGCCACAAGTTGCCACCTACCATA
GAGCCATCAAAATCACAGTGGACGGCCCCGAGAACCCGAAATGCCAGGCGAGATCCAGCCATCCCCACC
GTGGTCTATGACCAGTCTACCAGTACCTGGGATCCATCACCTTCTCTGTCCACCCAGCGACACCC
ATTTACCCGGCCGTGCCAGCGGCATGACCAGCCTCTCTGCGAAGTTCAGTGCAGTCTCAACGGCTC
CGGACCTGACCGCCTTCGGCGACCCACGCCAGTTCCTACTCTGCCGTCATCTCCGACCCGCGCATGCA
CTACCCAGGCGCCTTACCTACTCGCCGCCCGTACGTCGGGCATCGGCATCGGCATGTCAGCCATGAGC
TCGGCCTCTCGTACCACACCTACCTGCCGCCGCCCTACCCGGCTCATCACAGGCGCAGCCGGGCCCT
TCCAGACCGCTCGCCCTCTACCATCTATACTACGGCGCCTCGCCGGTTCTACCAGTTCTCCATGGT
GGGCGGAGAGAGATCGCCCCGCGCATCTGCCGCCCTGCACCAACGCATCCACCGGCGCCGCGCTGCTC
AACCCAGCCTCCCAGCCAGAGCGACGTGGTGGAGACCAGGGCAGCCATAGCAACTCGCCACCAACA
TGCCCCCGCGCGCTGGAGGAGCCGTGTGGCGCCCTAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226250 representing NM_009821
Red=Cloning site Green=Tags(s)

MRIPVDASTSRRFTPPSTALSPGKMSEALPLGAPDGGAAALASKLRSGDRSMVEVLADHPGELVRTDSPNF
 LCSVLPHTWRCNKTLPIAFKVVVALGDVPDGLVTVMAGNDENYSaelRNATAAMKNQVARFNDLRFVGRS
 GRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPRNARQIQSPSPWSYDQSYQLGSITSSSVHPATP
 ISPGRASGMTSLSAELSSRLSTAPDLTAFGDPRQFPTLPSISDPRMHYPGAFITYSPVTSIGIGIMSAMS
 SASRYHTYLPPTYPGSSQAQAGPFQTGSPSYHLYYGASAGSYQFSMVGGERSPPRILPCTNASTGAALL
 NPSLPSQSDVVETEGSHSNSPTNMPPARLEEAVWRPY

TRTRPLE - GFP Tag - V

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](#)

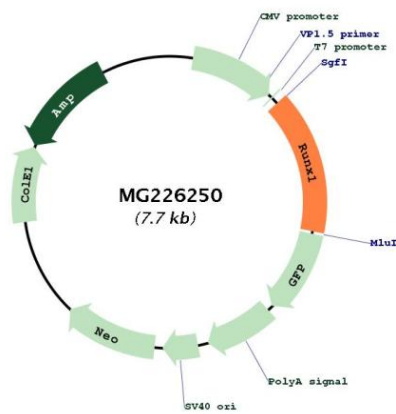
RefSeq Size: 6945 bp

RefSeq ORF: 1164 bp

Locus ID: 12394

Cytogenetics: 16 53.7 cM

Product images:



Circular map for MG226250