

Product datasheet for **MR206993**

Runx1 (NM_001111022) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Runx1 (NM_001111022) 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)



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ORF Nucleotide Sequence:

>MR206993 representing NM_001111022
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGCGCGCC

ATGGCTTCAGACAGCATTTTTGAGTCATTTCCCTCATATCCACAGTGCTTCATGAGAGATGCCAGCACGA
 GCCGCCGCTTACGCGCCTTCCACCGCTGAGCCCCGCAAGATGAGCGAGGCCGTGCCGCTGGGCGC
 CCCGGATGGCGCGCCCTGGCCAGCAAGCTGAGGAGCGCGACCGCAGCATGGTGGAGTACTAGT
 GACCACCCGGCGAGCTAGTGCGCACCGACAGCCCAACTTCTCTGCTCCGTGCTACCCACTACTGGC
 GCTGCAACAAGACCTGCCCATCGCTTTCAAGGTGGTGGCACTGGGGACGTCCCGGATGGCACTCTGGT
 CACCGTCATGGCAGGCAACGATGAAACTACTCGGCAGAACTGAGAAATGCTACCGCGGCCATGAAGAAC
 CAGGTAGCGAGATTCAACGACCTCAGGTTTGTGGGCGGAGCGGTAGAGGCAAGAGCTTCACTCTGACCA
 TCACCGCTTTACAAATCCGCCACAAGTTGCCACCTACCATAGAGCCATCAAATCACAGTGGACGGCCC
 CCGAGAACCCGAAATGCCAGGCAGATCCAGCCGTCCCCACCGTGGTCTATGACCAGTCTACCAGTAC
 CTGGGATCCATCACTTCTCTGTCCACCCAGCGACACCCATTTACCCGCGCGTCCAGCGGCATGA
 CCAGCCTCTCTGCAGAACTTCCAGTCTCAACGGCTCCGACCTGACCGCCTTCGGCGACCCACG
 CCGATTCCCTACTCTGCCGTCCATCTCAGACCCGCGCATGCACTACCCAGGCGCCTTCACTACTCGCCG
 CCGGTCACGTCCGGCATCGGCATCGGCATGTCAGCCATGAGCTCGCCTCTCGTACCACACCTACCTGCC
 GCCGCCCTACCCCGGCTCCTCACAGGCGCAGGCCGGGCCCTTCCAGACCGGCTCGCCCTCTACCATCTA
 TACTACGGCGCCTCGGCCGTTCTACAGTCTCCATGGTGGGCGGCGAGCGATCGCCCCGCGCATCC
 TGCCGCCCTGCACCAACGCATCCACCGCGCGCGCTGCTCAACCCAGCCTCCCAGCCAGAGCGACGT
 GGTGGAGACCGAGGGCAGCCATAGCAACTCGCCACCAACATGCCCCCGCGCGCTGGAGGAGGCCGTG
 TGGCGGCCCTACTGAGCTGAGCGCCATCGCCATCGAGGGACTGGGCTGCGCTCCATGCACAGACCCCGC
 CAGGAGGCCCTTGGAGGCCACCAGGAAGAATCCCGAGGAACTGTGAATGCTTC

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

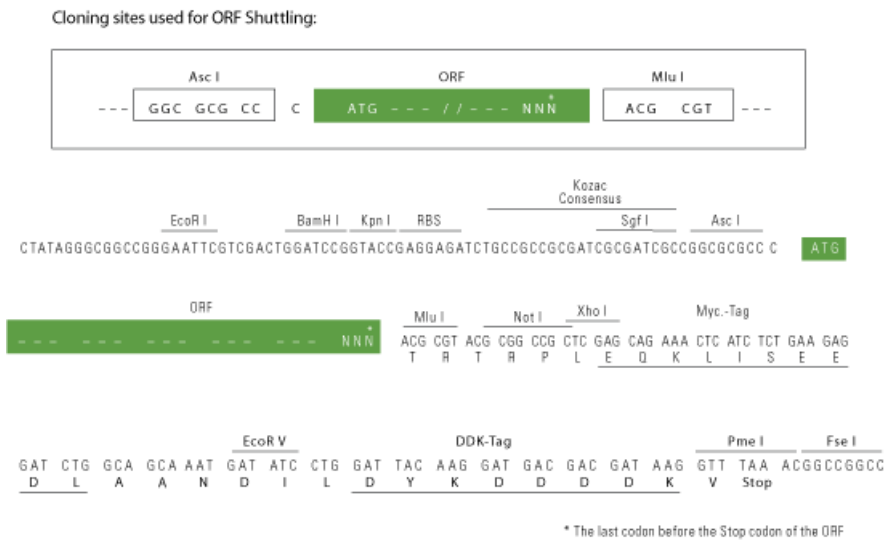
>MR206993 representing NM_001111022
 Red=Cloning site Green=Tags(s)

MASDSIFESFPSYPQCFMRDASTSRRFTPPSTALSPGKMSEALPLGAPDGGAAALASKLRSGDRSMVEVLA
 DHPGELVRTDSPNFLCSVLPHTWRCNKTLPIAFKVVALGDVPDGLVTVMAGNDENYSaelRNATAAMKN
 QVARFNDLRFVGRSGRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPRNARQIQSPSPWSYDQSYQY
 LGSITSSSVHPATPISPGRASGMTLSAELSSRLSTAPDLTAFGDPRQFPTLPSISDPRMHYPGAFYSP
 PVTSGIGIGMSAMSSPLATTPTCRRPTPAPHRRRPGPSRPARPPTIYTTAPRPVPTSSPWWAASDRPRAS
 CRPAPTHPPAPRCSTPASPARATWWRPRAAIATRPPTCPRAWRRPCGGPTELSAIAIEGLGLPSMHRPR
 QEGPWRPPGRIPEGNCECF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Ascl-MluI

Cloning Scheme:


ACCN: NM_001111022

ORF Size: 1317 bp

OTI Disclaimer: 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 Size: 5586 bp

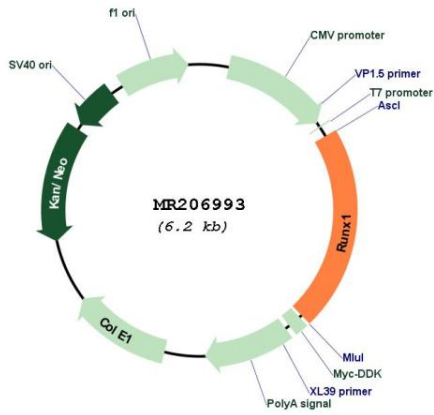
RefSeq ORF: 1206 bp

Locus ID: 12394

Cytogenetics: 16 53.7 cM

MW: 43.4 kDa

Product images:



Circular map for MR206993