

Product datasheet for **RR214449**

Runx1t1 (NM_001108657) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Runx1t1 (NM_001108657) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Runx1t1
Synonyms:	Cbfa2t1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214449 representing NM_001108657
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTGATCGTACCGAGAAGCACTCCACGATGCCAGACTCACCTGTGGATGTGAAGACGCACTAGGC
 TGACTCCCCAGCAATGCCGCCTCTCCGACCCTCAAGGAGCCCGAGAACCAGTTCGTTTACGCCAAC
 GACATTAACGAATGGCACCAGCCATTACCCACGGCCTTGAATGGCGCCCCCTCACCGCCTAATGGCTTT
 AGCAACGGGCCTTCTCTTCTCTTCTCTTCTGGCTAATCAACAGCTGCCCCAGCCTGTGGTGCTA
 GACAAGTGAAGCTGAAGCGATTTCTACTACCCTGCAGCAGTTTGGCAATGACATTTACCAGAGAT
 TGGAGAAAGAGTTCGCACTCTTGTACTAGGACTGGTGAAGTCTACTTTGACAATTGAAGAATTTCAATCC
 AAATTCAAGAAGCTACTAACTCCCACTGAGACCTTTTGTATCCCGTTTTTGAAGGCCAACCTGCCCC
 TGCTACAGCGTGAAGTCCCACTGCGCAAGGCTAGCCAAACAGAACCCCTGCCAGTACCTCGCTCAGCA
 CGAACAGCTGCTTCTGGATGCCAGCACCTCCCTGTGACTCCTCAGAGCTGCTTCTCGATGTGAAC
 GAAAACGGGAAGAGGCGAACTCCAGACAGAACAAAGAAAATGGCTTTGACAGAGAGCCTTTGCACTCAG
 AACATCCAAGCAAGCGACCATGCACTATTAGCCAGGCCAGCGGTACAGTCCAAATAATGGCTTATCCTA
 CCAGCCAAATGGCTGCCTCACCCACCCACCTCCACCTCAGCATTACCGTTTTGGATGATATGGCCATT
 GCCCACCCTACAGGGACTCCTATCGACACCCAGCCACAGGGACCTCAGGGACAGAAAATAGACCTATGG
 GGTTACATGGCACACGTCAAGAAGAAATGATTGACCACAGACTAACAGACAGAGAATGGGACAGAGAGTG
 GAAGCATCTCGATCATCTGTTAACTGCATAATGGACATGGTAGAGAAGACGAGGCGATCCCTCACTGTA
 CTAAGACGATGTCAGGAAGCAGACCGGGAAGAACTGAATTACTGGATCCGGAGGTACAGTGTGCTGAGG
 ACTTGAAAAGGGCGGCGAGCGGTAGCAGCAGCCACTCCAGGCAACAGAGCCCGTCAATCCGGACCCAT
 CGCATTAGATGCACATCGGGAATTCCTTACAGGCCTGCGTCTGGATACGTGCCAGAGGAGATCTGGAAG
 AAAGCTGAGGAGGCTGTGAATGAGGTGAAGCGACAGGCAATGACGAGGCTGCAGAAAGCCGTGTCTGAAG
 CCGAGAGGAAAGCCATGACATGATCACACAGAGCGAGCCAAAATGGAACGCACGGTGGCTGAAGCCAA
 GCGGCAGGCCGAGAGGATGCTCTGGCAGTCAACACAGCAGGAAGACTCCAGTGAAGGTTGCTGGAAC
 TGTGGCCGAAAGCAAGTGAAGCTGCAGCGGCTGAACAGGCCGATACTGTGGCTCTTTTTGCCAGC
 ATAAGACTGGGAGAAGCATCACACATCTGTGGACAGACCTGCAGGCCCCACAGCAGGGAGAAAACGCC
 TGCTGTCAGTCTCAGTACGCCAGCAGTGGGGCTGGGAGCCCAATGGACACACCACCAGCAGCCACT
 CCGAGGCTACCACCCCGGAACCCCTCCACCATAGAGACGACGCTCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214449 representing NM_001108657
 Red=Cloning site Green=Tags(s)

MPDRTEKHSTMPDPSVDVKTQSRLTPPAMPPPPTTQGAPRTSSFPTPTLTNGTSHSPTALNGAPSPPNGF
 SNGPSSSSSSSLANQQLPPACGARQLSKLKRFLTTLQQFGNDISPEIGERVRTLVLGLVNSTLTIEEFHS
 KLQEATNFPLRPFVIPFLKANLPLLQRELLHCARLAKQNPAYLAQHEQLLLDASTTSPVDSSELLLDVN
 ENGRRTPDRTKENGFDREPLHSEHPSKRPCTISPGQRYSPNGLSYQPNGLPHPTPPPPQHYRLDDMAI
 AHHYRDSYRHPSHRDLRDRNRPMLHGTRQEEMIDHRLTDREWAEWKHLDHLLNCIMDMVEKTRRSLTV
 LRRQAEADREELNYWIRRYSDAEDLKKGGSGSSSHSRQQSPVNPDPVALDAHREFLHRPASGYVPEEIKW
 KAEAEAVNEVKRQAMTELQKAVSEAEERKAHDMITTERAKMERTVAEAKRQAAEDALAVINQQEDSSSESWN
 CGRKASETCSGCNTARYCGSFCQHKDWEKHHHICGQTLQAPQQGETPAVSSSVTPSSGAGSPMDTPPAAT
 PRSTTPGTPSTIETTPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

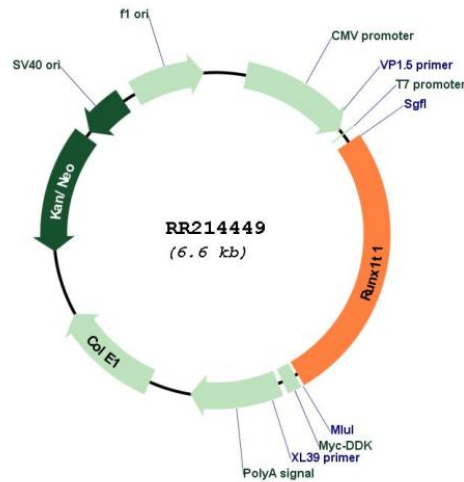
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001108657

ORF Size: 1731 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:	<ol style="list-style-type: none"> 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_001108657.1 , NP_001102127.1
RefSeq Size:	3364 bp
RefSeq ORF:	1734 bp
Locus ID:	362489
Cytogenetics:	5q13
MW:	64.3 kDa