

Product datasheet for **RN216859**

Runx2 (NM_001278483) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Runx2 (NM_001278483) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Runx2
Synonyms:	Cbfa1; OSF-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216859 representing NM_001278483
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCAAACAGCCTCTTCAGTGCAGTGACACCGTGTCTAGCAAACCTCTTTTGGGATCCGAGCACCA
GCCGGCGCTTCAGCCCCCTCCAGCAGCTGCAGCCCGCAAGATGAGCGACGTGAGCCCGGTAGTGGC
TGCTCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAACAGCAGCAGCAG
CAGCAACAG
CGGCGGCAGCCGTGCCCGGTTGAGGCCCGCACGACAAACCGCACCATGGTGGAGATCATCGGGACCA
CCCGGCCGAACCTGGTCCGACCCAGCAGCCCAACTTCCTGTGCTCCGTGCTGCCCTCGACTGGCGGTGC
AACAGACCCTGCCCGTGGCCTCAAGTTGTAGCCCTCGAGAGGTACCCGATGGGACCGTGGTTACCG
TCATGGCCGGGAATGATGAGAACTACTCTGCCGAGCTACGAAATGCCTCTGCTTATGAAAACCAAGT
GGCCAGGTTCAACGATCTGAGATTTGTAGGCCGGAGCGGACGAGGCAAGATTTTCACTTTGACCATAACG
GTCTTCACAAATCCTCCCAAGTGGCCACTTACCACAGAGCTATTAAGTACAGTGGACCGTCCCGGG
AACCAAGAAGGCACAGACAGAAGCTTGATGACTCTAAACCTAGTTTGTCTCTGACCCGCTCAGTGATT
AGGGCGCATTCCTCATCCAGTATGAGAGTAGGTGTCGCGCTCAGAACCACGCGCCCTCCTGAACTCA
GCACCAAGTCCTTTAATCCACAAGGACAGAGTCAGATTACAGATCCAGGCAGACACAATCCTCCCCAC
CGTGGTCTATGACCACTTACCCCTCTATCTGAGCCAGATGACGTCCCATCCATCCATTCCACCAC
GCCGCTGTCTCCACACGGGGCACTGGGCTGCCAGCCATACCCGACGTACCCAGGCGTATTCAGATGAT
GACACTGCCACCTCTGACTTCTGCCTCTGGCTTCCTCTCTCAGTAAGAAGAGCCAGGCAGGTGCTTCAG
AACTGGGCCCTTTTCAGACCCAGGCAGTCCAGGCATTTCCCTCACTGAGAGCCGCTTCCAA
CCACGAATGCACTATCCAGCCACCTTCACTTACACCCCGCCAGTCACGTACGGCATGCCCTGGGCATG
TCCGCCACCACTCACTACCACACGTACCTGCCACCACCTACCCCGGCTTCCCAAAGCCAGAGCGGAC
CCTCCAGACCAGCAGCACTCCATATCTACTATGTTACTTTCGTGAGCCTCTATCAGTCCCAATGGT
CCCGGGGAGACCGGTCTCCTCCAGGATGGTCCCACCGTGCAGACCCTCGAATGGCAGCAGCAGTA
TTAAATCCAAATTTGCCCTAACAGAAATGATGGTGTGACGCTGATGGAAGCCACAGCAGCTCCCAACCG
TTTTGAATCTAGCGGCAGAATGGATGAGTCTGTGGCGACCTATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001278483

Insert Size: 1590 bp

OTI Disclaimer: 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001278483.1](#), [NP_001265412.1](#)

RefSeq Size: 5641 bp

RefSeq ORF: 1590 bp

Locus ID: 367218

Cytogenetics: 9q13