

Product datasheet for **SC221230**

RUNX2 (NM_001015051) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RUNX2 (NM_001015051) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RUNX2
Synonyms:	AML3; CBF-alpha-1; CBFA1; CCD; CCD1; CLCD; OSF-2; OSF2; PEA2aA; PEBP2aA
ACCN:	NM_001015051
Insert Size:	2000 bp



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Insert Sequence: >SC221230 3'UTR clone of NM_001015051
 The sequence shown below is from the reference sequence of NM_001015051. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGGATGAATCTGTTTGGCGACCATATGAAATTCTCAGCAGTGCCAGTGGTATCTGGGGCCACA
TCCACACGTATCAATATATACATATATAGAGAGAGTGTCATATATATGTATATCGATTAGCTATCTACA
AAGTGCCTATTTTTAGAAAGATTTTTCATTCACTCACTCAGTCATGATCTTGACGCCATAAGAGGGTAG
ATATTGAGAAGCAGAAGGCTCAAGAGAGACAATTGCAATCGAGCTTCAGATTGTTTACTATTTAAGATG
TACTTTTACAAGGAACAAAGAAGGGAAAAGGTATTTTTGTTTTTGTGTTTGGTCTGTTATCATCAAT
AACCTGTTTCATATGCCAATTCAGAGAGGTGGACTCCAGGTTCCAGGAGGAGAAGAGCAAAGCCGCTTCC
TCTCTGTGCTTTGAAACTTCACACCCTCACGGTGGCAGCTGTGTATGGACCAGTGCCTCCGCAGACAG
CTCACAAAACCAGTTGAGGTGCACTAAAGGGACATGAGGTAGAATGGATGCTTCCATCACAGTACCATC
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TGTGGATAGAGGGTTCAATTATGAGACACCTAGTACAGGAGAGCAAAATGCACCAGAGATTCTTAACC
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TCCACAGAATTTGCATTTAGAGGAGCAGAATGACATCACTGTCCTTTGGGAGTAGTCTCTGAAAAGG
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CATTTGTATTTCTACAATGGAGGGCCAAGGAGGGCAAGGGGCTGTGGAGTTTGGTGTCTACTAGTGTG
TATGAATTTGAGCTAGAGTCTTCTGTGGCATGCACTTTGACCACTCCTGGCAGTCACATGGCAGATTT
CCAAGTGCAAAATCCTTAATCCAACAAGGATCATCTAATGACACCACCAGGCCAATCCCTGCTCTCCTC
CCCGAAAAGTCAGGGTCCCTTATTGGAATCCTCCACCCACCAAGCAGAATTTAGCAGAGATTTGCC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001015051.4](#)

Summary:

This gene is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Two regions of potential trinucleotide repeat expansions are present in the N-terminal region of the encoded protein, and these and other mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD). Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing. [provided by RefSeq, Jul 2016]

Locus ID:

860

MW:

77.4