

Product datasheet for **RR216974**

Cbfa2t2 (NM_001168542) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cbfa2t2 (NM_001168542) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cbfa2t2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216974 representing NM_001168542
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGCGCTCCCTGGAGCGGCCCTTCCAGCTTGGTTGTGAGAAAAGGGTGCCAGCAATGCCTGGAT
 CGCCTGTGGAAGTGAAGATACAGTCAAGAGCCTCACTCCCATCATGCCACCCCTCCACCAATAAATCC
 TGGAGGACCGAGGCCAGTGTCTTTACTCTACAGCATTAAAGCAATGGCATCAGCCATTCCTCCTACC
 CTGAATGGTGCCCATCGCCACCACAGAGATTCAGCAACGGGCCTGCCTCCTCCACGTCCTCAGCGCTAA
 CAAATCAGCAGTTGCCAGCTACTTGTGGTGTCTGGCAACTCAGCAAGTTGAAACGCTTTCTCACTACTCT
 ACAACAGTTTGGCAATGACATCTCACCTGAGATTGGCGAGAAGGTTGGACGCTTGTCTAGCCTTGGTG
 AACTCAACAGTGACAATTGAAGAATCCATTGCAAGCTCCAGGAGGCTACAACTTCCACTTTCGTCAT
 TTGTAATTCGGTTTCTCAAGGCCAACCTGCCCTGCTGCAGCGAGAAGTCTGACTGTGCCGGGCTGC
 CAAGCAGACCCCATCCAGTACCTGGCCAGCATGAGCACCTTCTGCTCAACACCAGTATCGCATCTCT
 GCTGACTCTTCTGAAGTCTTATGGAGGTTTCATGGAAATGGAAAGAGGCCAGTCCCGAAAGGAGGGATG
 AGAATAATTTTGAAGAGACACAGTTTCTCCTGAACCGACTGCCAAGAGAGTGTGCACTATCAGCCCTGC
 TCCTCGGCACAGTCTGCCCTCACTGTTCCCTCCTGAGTGCCGGGGGCCAGTTCATCCTACTCCACCA
 CCTCTTCAAGCACTATACCTTAGAAGACATCGCAACTTCTCACCTGTATCGGGAACCAACAAGATGCTAG
 AACACCGAGAAGTTCGTGAGAGGCCACAATCTTAGTCTCAATGGAGGCTATCAAGATGAGTTGGTAGA
 CCACCGTTTGACAGAAAGGGAGTGGGCCGATGAATGGAACATCTTGACCATGCCCTGAATTGCATCATG
 GAAATGGTGGAAAAACGAGGCGCTCCATGGCTGTCTGAGGCGCTGTCAGGAATCTGACCGTGAAGAGC
 TTAACATTTGAAAAAGACGATGTAATGAAAAACAGAGTTGAGGAAGACTGGGACCGAGTTGGTCTCTAG
 GCAGCACAGCCCTGGGAGTACAGATTCTCTCAGCAACGATTCTCAGCGGGAATTCACAGTAGGCCAGCA
 GCAGGATACGTGCCTGTAGAGTTTTGGAAGAAAAGTGAAGAAGCTGTGAACAAGGTGAAAATTCAGGCCA
 TGTGAGAGGTACAAAAGGCTGTAGCTGAGGCAGAGCAAAAAGCCTTTGAAGTGATTGCAACTGAGAGAGC
 TCGAATGGAGCAAACCATAGCGGATGTCAAAGGCAGGCGGCAGAAAGATGCTTTCCTGGTCAATGAG
 CAAGAAGAGTCCACAGAGAACTGCTGGAAGTGTGGCCGAAAAGCCAGTGAGACGTGACGTGGCTGCAATA
 TTGCTCGTACTGTGGCTCCTTCTGCCAGCATAAGGACTGGGAGCGGCACCACCGCTCTGTGGCCAGAG
 TCTACATGGCCACAGTCCCACAGCCAGAGCCGGTCACTGCTCCCTGGAGGGCGGGCTCAGCCAGGTCT
 GCTGACTGCAGTGTGCCAGCCAGCCCTGGACAAGACCTCAGCTACCACCTCACGGTCTCAACACCTG
 CCTCTGTGACAGCCATTGATGCCAACGGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216974 representing NM_001168542
 Red=Cloning site Green=Tags(s)

MVGVPGAAAFQLGCEKRVAMPGSPVEVKIQSRASPPIMPLPPINPGGPRPVSFTPTALSNGISHSPPT
 LNGAPSPQRFNSNGPASSTSSALTNQQLPATCGARQLSKLKRFLTTLQQFGNDISPEIGEKVRTLVLALV
 NSTVTIEEFHCKLQEATNFPLRPFVIFLKANLPLLQRELLHCARAQKTPSQYLAQHEHLLNLSIASP
 ADSSELLMEVHNGKRKSPERRDENNFERDTPPEPTAKRVCTISPAPRHSPALTVPLL SAGGQFHPTPP
 PLQHYLTLEDIATSHLYREPKNMLEHREVRERHNL SLNGGYQDELVDHRLTEREWADEWKHLDHALNCIM
 EMVEKTRRSMVLRRCQESDREELNYWKRRCNENTELRKGTGELVSRQHSPGSTDLSNDSQREFTSRPA
 AGYVPVEFWKKTEEAVNKVKIQAMSEVQKAVAEAEQKAFEVIATERARMEQTIADVQRQAEDAFVLVINE
 QEESTENCWNCGRKASETCSGCNIARYCGSFQHKDWERHHRLCGQSLHGHSPHSQSRSLLPGRGARS
 ADCSVSPALDKTSATTSRSSTPASVTAIDANGL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001168542

ORF Size: 1782 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: [NM_001168542.1](#), [NP_001162014.1](#)

RefSeq Size: 2599 bp

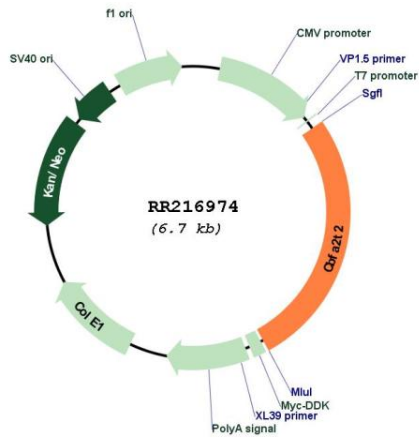
RefSeq ORF: 1785 bp

Locus ID: 296293

Cytogenetics: 3q41

MW: 65.7 kDa

Product images:



Circular map for RR216974