

Product datasheet for **SC116124**

NC2 alpha (DRAP1) (NM_006442) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NC2 alpha (DRAP1) (NM_006442) Human Untagged Clone
Tag:	Tag Free
Symbol:	NC2 alpha
Synonyms:	NC2-alpha
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006442, the custom clone sequence may differ by one or more nucleotides

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ATGCCGAGCAAGAAGAAGAAGTACAACGCGCGGTTCCCGCCGGCGCGGATCAAGAAGATCATGCAGACGG
ACGAAGAGATTGGGAAGGTGGCGCGCGGTCCTGTCATCATCTCCCGGGCGCTCGAGCTTTCTCTAGA
GTCGCTGTTGAAGAAGGCCTGCCAGGTGACCCAGTCGCGGAACGCGAAGACCATGACCACATCCCACCTG
AAGCAGTGCATCGAGCTGGAGCAGCAGTTTACTTCTTGAAGGACCTGGTGGCATCTGTTCCCGACATGC
AGGGGGACGGGAAGACAACCACATGGATGGGGACAAGGGCGCCCGCAGGGGCCGAAGCCAGGCAGCGG
CGGCCGGAAGAACGGTGGGATGGGAACGAAAAGCAAGGACAAGAAGCTGTCCGGGACAGACTCGGAGCAG
GAGGATGAATCTGAGGACACAGATACTGATGGGAAGAGGAGACATCACAAACCCACCCAGGCCAGCC
ACCCCTTGCCCACTTTCAGAGCCCCCGACACCTTCTGCCCTTCGCCTCTACTCTGCCTTTGCCCC
AGCGCCCCCGGGCCCTCAGCACCTGATGAAGAGGACGAAGAAGATTACGACTCCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006442 unedited CACGAGGGGAGCCGGGAGGCTGCGGGCGGCGGCTGGACCCGACGCGGCGAGAGAGGCC CCGAGATGCCGAGCAAGAAGAAGAAGTACAACGCGCGGTTCCCGCCGGCGCGGATCAAGA AGATCATGCAGACGGACGAAGAGATTGGGAAGGTGGCGGGCGGCTGCCTGTCATCATCT CCCGGGCGCTCGAGCTCTCCTAGAGTCGCTGTTGAAGAAGGCCGCCAGGTGACCCAGT CGCGGAACGCGAAGACCATGACCACATCCCACCTGAAGCAGTGCATCGAGCTGGAGCAGC AGTTTGACTTCTTGAAGGACCTGGTGCCATCTGTTCCCGACATGCAGGGGGACGGGGAAG ACAACCACATGGATGGGACAAGGGCGCCCGCAGGGGCCGGAAGCCAGGCAGCGCGGCC GGAAGAACGGTGGGATGGGAACGAAAAGCAAGGACAAGAAGCTGTCCGGGACAGACTCGG AGCAGGAGGATGAATCTGAGGACACAGATACTGATGGGGAAGAGGAACATNNACAAACCC CCACCCAGGCCAGCCACCCCTCTGCCACTTTCAGAGCCCCCGACACCCTTCTGCC TTCGCCTACTCTGCCTTTGCCCCAGCGCCCCGGGCCCTCAGCACCTGATGAAGAG GACGAAGAAGATTACGACTCCTAGCGCCTTCTGCCCCCGACCATAGCCCCTTTAGTT GGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_006442
Insert Size:	890 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).
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_006442.2 , NP_006433.2
RefSeq Size:	988 bp
RefSeq ORF:	618 bp
Locus ID:	10589
UniProt ID:	Q14919
Cytogenetics:	11q13.1
Protein Families:	Transcription Factors

Gene Summary:

Transcriptional repression is a general mechanism for regulating transcriptional initiation in organisms ranging from yeast to humans. Accurate initiation of transcription from eukaryotic protein-encoding genes requires the assembly of a large multiprotein complex consisting of RNA polymerase II and general transcription factors such as TFIIA, TFIIB, and TFIID. DR1 is a repressor that interacts with the TATA-binding protein (TBP) of TFIID and prevents the formation of an active transcription complex by precluding the entry of TFIIA and/or TFIIB into the preinitiation complex. The protein encoded by this gene is a corepressor of transcription that interacts with DR1 to enhance DR1-mediated repression. The interaction between this corepressor and DR1 is required for corepressor function and appears to stabilize the TBP-DR1-DNA complex. [provided by RefSeq, Jul 2008]