

Product datasheet for **RC220136**

DBF4B (NM_025104) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DBF4B (NM_025104) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DBF4B
Synonyms:	ASKL1; CHIFB; DRF1; ZDBF1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC220136 representing NM_025104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAGCGAACCGGAAAGGGAGACGATTGCCTCGAGCTGGAGAGTTCCATGGCTGAGAGTAGGCTCCGGG
 CCCCGGACCTAGGAGTTTCCAGGTGTCTAGGAAAATGCCAGAAGAACTACCCAGGTGCCAGGAAGCATCC
 CTTTTCCGAAAGTCCTTTTACTTGATCTGCCTGCTGGCAAGAATCTCCAGTTTTTGACGGGGGCCATT
 CAGCAACTGGGTGGGTAATTGAGGGTTTTCTGAGCAAAGAAAGTAAGTTACATCGTGTCCAGCCGAGAG
 AAGTAAAGGCAGAGAGCAGTGGGAAAAGCCATAGAGGCTGCCCTAGCCCTAGCCCCAGTGAGGTCAGAGT
 GGAAACATCGGCCATGGTTGATCCAAAAGGCAGCCACCCAGGCCTTACGGAAACCCGTTGACTCGGTG
 CCTCTAAGCAGAGGGAAGGAGCTGCTGCAGAAGGCTATCAGAAACAGGGGAGCATCAGTGGAGGAGGCA
 GTGGGGGAGCAGCAGCCTCTGACCAATGCCCGCTCTTGGGGAGTGAGGATTCTGCACGTGGATGAAAT
 GATGATGCACGTGCAACAGCTGTCTTTCGCTCTTTATGTGTGAAAAACAACAGCCAAAGAAGCCAGAG
 GGAACATGTCCAGCAGCAGAGTCAAGAACACGGAAAGTGCCAGACTGAAGGCCCGTTCCCTCAAAATCG
 AAGATGAAAGCAGGAAGTTTCGTCCTTTCCATCATCAGTTTAAATCCTTTCTGAAATTTCTTTCTTGG
 ACCCAAAGATGCAAGTCCCTTTGAGGCCCGACGACCCTGGGCAGCATGCACCATACCAGAGAATCCAAG
 GATGGAGAGCCAAGCCCACGATCAGTGTCCACACCATGCCAGGAGGAAGAAAGGCTACTGCGAGTGCT
 GTCAGGAGGCCTTCGAGGAGCTCCATGTGCATCTTCAGAGTGGCCAGCACCAGGAGCTTTGCCCTGGAAGC
 CCATCTATATGCAGAAGTGACAGGATCATTGCTCAGCTCAGCCACAGCTTTGCAGACATCCCTTTCCAG
 GCTGGCCTCCCAGGTGGTCAGGTTCCCAGCTTCTGATTGTGACCCTCTCTGTCTGAGACTCTGCACC
 CCCATCAGCCCTCCCATCCCAGGCAGCATCTCCAGGATAAGGAAAGAAGACAGCTGCCAGGCATCAGT
 GACCCAAGGCAGGCTGCGGGCCAGCAGCGATGGACAGAATCACTAGATGGTGTGATGGGACCTCCTGCA
 AGTCACACATGTACAGGCCTTGCCGTCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220136 representing NM_025104
 Red=Cloning site Green=Tags(s)

MSEPGKGDCCLEESSMAESRLRAPDLGVSRLGKCQKNSPGARKHPFSGKSFYLDLPAGKNLQFLTGA
 IQLGGVIEGFLSKEVSYIVSSRREVKAESSGKSHRGCPSPSPSEVRVETSAMVDPKGSHPRPSRKPVD
 SVPLSRGKELLQKAIRNQGSISGGSGGSSLLTNARSWGVRILHVDMMMHVQQLSLASLCVKKQPKKPE
 GTCPAAESRTRKVARLKAPFLKIEDESFRPFHHQKSFPEISFLGPKDASPFEAPTTLGSMHHTRESK
 DGEPSPRSPAAHTMPRRKKGYCECCQEAFFELHVHLQSAQHRSFALEAHL YAEVDRIIAQLSHSFADIPFQ
 AGLPRWSGSPASDCDPLCPETLHPHQPSHPRAASPRIRKEDSCQASVTQGRAAGQQRWTESLDGVMGPPA
 SHTCHRPCRLP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_025104

ORF Size: 1293 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025104.4](#)

RefSeq Size: 1821 bp

RefSeq ORF: 1296 bp

Locus ID: 80174

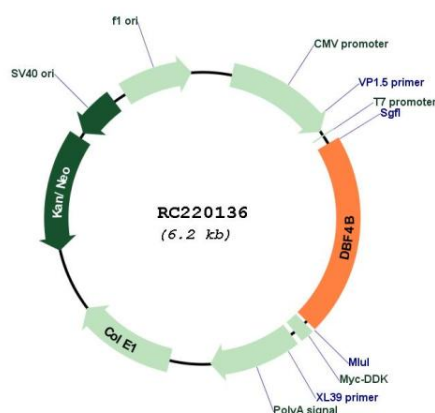
UniProt ID: Q8NFT6

Cytogenetics: 17q21

MW: 47.2 kDa

Gene Summary: This gene encodes a regulator of the cell division cycle 7 homolog (*S. cerevisiae*) protein, a serine-threonine kinase which links cell cycle regulation to genome duplication. This protein localizes to the nucleus and, in complex with the cell division cycle 7 homolog (*S. cerevisiae*) protein, may facilitate M phase progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RC220136