

Product datasheet for **SC305234**

DBF4B (NM_025104) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DBF4B (NM_025104) Human Untagged Clone
Tag:	Tag Free
Symbol:	DBF4B
Synonyms:	ASKL1; CHIFB; DRF1; ZDBF1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene ORF sequence for NM_025104 edited</p> <p>ATGAGCGAACCGGAAAGGGAGACGATTGCCTCGAGCTGGAGAGTTCCATGGCTGAGAGT AGGCTCCGGGCCCGGACCTAGGAGTTTCCAGGTGTCTAGGAAAATGCCAGAAGAACTCA CCAGGTGCCAGGAAGCATCCCTTTTCCGGAAAGTCCTTTTACTTGGATCTGCCTGCTGGC AAGAATCTCCAGTTTTTGACGGGGGCCATTAGCAACTGGGTGGGGTAATTGAGGGTTTT CTGAGCAAAGAAGTAAGTTACATCGTGTCCAGCCGAGAGAAAGTAAAGGCAGAGAGCAGT GGGAAAAGCCATAGAGGCTGCCCTAGCCCTAGCCCAAGTGAAGTCAAGTGAAGAACATCG GCCATGGTTGATCCAAAAGGCAGCCACCCAGGCCTTCACGGAACCCGTTGACTCGGTG CCTCTAAGCAGAGGGAAGGAGCTGCTGCAGAAGGCTATCAGAAACCAGGTGAGCTGGGGC AAGATGGGGAGCCGGTGGTCTCCAGCATAG</p>
Restriction Sites:	Please inquire
ACCN:	NM_025104
Insert Size:	1800 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).


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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_025104.2](#), [NP_079380.1](#)

RefSeq Size: 2553 bp

RefSeq ORF: 1821 bp

Locus ID: 80174

UniProt ID: [Q8NFT6](#)

Cytogenetics: 17q21

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]

Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.