

## Product datasheet for **SC303353**

### DOC2B (NM\_003585) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DOC2B (NM_003585) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOC2B
Synonyms:	DOC2BL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_003585 edited GCTGCCTGCATGACCCTCCGGCGGCGGGGAGAAGGCGACCATCAGCATCCAGGAGCAT ATGGCCATCGACGTGTGCCCGGCCCATCCGTCCCATCAAGCAGATCTCCGACTACTTC CCCCGCTTCCCGCGGGGCTGCCCGCGGACGCCGGGCCCGAGCCGCTGCACCCCGGAC GCCCCCGCGCGCCGGTGTGGCCGGTGC CGGCCGCCGACGCCCTCCGACGCGGCCCGC GAGGACGACGAGGATGTGGACCAGCTCTTCGGAGCCTACGGCTCCAGCCCGGCCCCAGC CCGGTCCAGCCCGCGCGGCCGCCAGCCAAGCCGCGGAGGACGAGCCGGACGCCGAC GGCTACGAGTCGGACGACTGCACTGCCCTGGGCACGCTGGACTTCAGCCTGCTGTATGAC CAGGAGAACAAACGCCCTCCACTGCACCATACCAAGGCCAAGGGCCTGAAGCCAATGGAC CACAATGGGCTGGCAGACCCCTACGTCAAGCTGCACCTGCTGCCAGGAGCCAGTAAGGCA AATAAGCTCAGAACAAAACTCTCCGTAACACTCTGAACCCACATGGAACGAGACCCTC ACTTACTACGGGATCACAGATGAAGACATGATCCGCAAGACCCTGCGGATCTCTGTGTGT GACGAGGACAAATTCCGGCACAATGAGTTCATCGGGGAGACACGTGTGCCCTGAAGAAG CTGAAACCAACCAACCAAGACCTTCAACATCTGCCTGGAGAAGCAGCTGCCGGTGGAC AAGACTGAAGACAAGTCCCTGGAGGAGCGGGCCGCATCCTCATCTCCCTCAAGTACAGC TCACAGAAGCAAGGCTGCTGGTAGGCATCGTGC GGTCGCCACCTGGCCGCCATGGAC GCCAACGGCTACTCGGACCCCTACGTGAAAACATACCTGAGGCCAGATGTGGACAAGAAA TCCAAACATAAAGACAGCGGTGAAGAAAAAACCTGAACCCGGAGTTTAAATGAGGAGTTC TGTTACGAGATCAAGCATGGGGACCTGGCCAAGAAGTCCCTGGAGGTCACCGTTTGGGAT TAGGACATTGAAAAATCCAACGATTTTCATTGGTGGTGTGGTTCTGGGCATCCACGCCAAG GGGAGCGCCTGAAGCACTGGTTTGACTGCCTGAAGAACAAGGACAAGCGCATCGAGCGC TGGCACACGCTACCAGCGAGCTCCAGGGGCTGTGCTCAGCGACTGA
Restriction Sites:	Please inquire
ACCN:	NM_003585
Insert Size:	1300 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003585.1</a> , <a href="#">NP_003576.1</a>
<b>RefSeq Size:</b>	2030 bp
<b>RefSeq ORF:</b>	1239 bp
<b>Locus ID:</b>	8447
<b>UniProt ID:</b>	<a href="#">Q14184</a>
<b>Cytogenetics:</b>	17p13.3
<b>Gene Summary:</b>	There are at least two protein isoforms of the Double C2 protein, namely alpha (DOC2A) and beta (DOC2B), which contain two C2-like domains. DOC2A and DOC2B are encoded by different genes; these genes are at times confused with the unrelated DAB2 gene which was initially named DOC-2. DOC2B is expressed ubiquitously and is suggested to be involved in Ca(2+)-dependent intracellular vesicle trafficking in various types of cells. [provided by RefSeq, Jul 2008]