

## Product datasheet for **SC127830**

### PDS5B (NM\_015032) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PDS5B (NM_015032) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDS5B
Synonyms:	APRIN; AS3; CG008
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127830 sequence for NM_015032 edited (data generated by NextGen Sequencing)

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ATGGCTCATTCAAAGACTAGGACCAATGATGGAAAAATTACATATCCGCCTGGGGTCAAG
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 GATATTCCACAGGAAGAAACAGAGGAGGAGGAAGTTTCTACAGTAAATGTACGGCGGCGA  
 AGTGCTAAAAGGGAACGGCGATGA

Clone variation with respect to NM\_015032.3  
 4064 g=>n

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_015032 unedited TTGCACATTTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGATCCCGGAG AGCCCCGAGTGAGCGGAGTAGCGAGTCGGCAACCCGGAGGGGTAGAAATATTTCTGTCA TGGCTCATTCAAAGACTAGGACCAATNGATGGAAAAATTACATATCCGCCTGGGGTCAAG GAAATATCAGATAAAATATCTAAAGAGGAGATGGTGAGACGATTAAGATGGTTGTGAAA ACTTTTATGGATATGGACCAGGACTCTGAAGAAGAAAAGGAGCTTTATTTAAACCTAGCT TTACATCTTGCTTCAGATTTTTTCTCAAGCATCCTGATAAAGATGTTTCGCTTACTGGTA GCCTGCTGCCTTGCTGATTTTTTCAGGATTTATGCTCCTGAAGCTCCTTACACATCCCCT GATAAACTAAAGGATATATTTATGTTTATAACAAGACAGTTGAAGGGGCTAGAGGATACA AAGAGCCCACAATTCAATAGGTATTTTTATTTACTTGAGAACATTGCTTGGGTCAAGTCA TATAACATATGCTTTGAGTTAGAAGATAGCAATGAAATTTTACCACAGCTATACAGAACC TTATTTTCAGTTATAACAATGGCCACAATCAGAAAGTCCATATGCACATGGTAGACCTT ATGAGCTCTATTATTTGTGAAGGTGATACAGTGTCTCAAGAGCTTTTGATACCGTTTTAG TAAATCTGGTACCTGCTCATAAGAATTTTAAACAAGCAAGCATATGATTTGGCAAAGCTTT ACTGAAGAAGACAGCTCAAGCTATTGAGCCATATATTACCAATTTTTTAAATCAGTTTCT GATGCCTGGGAAACATCTATCAGCGATTTGTGAGAGCATGTCTTTGACTAANTNTGNAGC TCTACAATATGAAAGNCCATTGCTGCTCTCTGTTTACCCAGCCTGAATTAT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015032
<b>Insert Size:</b>	8000 bp
<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>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>	<u><a href="#">NM_015032.1</a></u> , <u><a href="#">NP_055847.1</a></u>
<b>RefSeq Size:</b>	7444 bp
<b>RefSeq ORF:</b>	4344 bp
<b>Locus ID:</b>	23047
<b>UniProt ID:</b>	<u><a href="#">Q9NTI5</a></u>
<b>Cytogenetics:</b>	13q13.1
<b>Domains:</b>	AT_hook

**Gene Summary:**

This gene encodes a protein that interacts with the conserved protein complex termed cohesin. The cohesin complex holds together sister chromatids and facilitates accurate chromosome segregation during mitosis and meiosis. This protein is also a negative regulator of cell proliferation and may be a tumor-suppressor gene. [provided by RefSeq, Jul 2015]