

## Product datasheet for **RG216203**

### PDS5B (NM\_015032) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PDS5B (NM_015032) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PDS5B
Synonyms:	APRIN; AS3; CG008
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216203 representing NM_015032 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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A

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

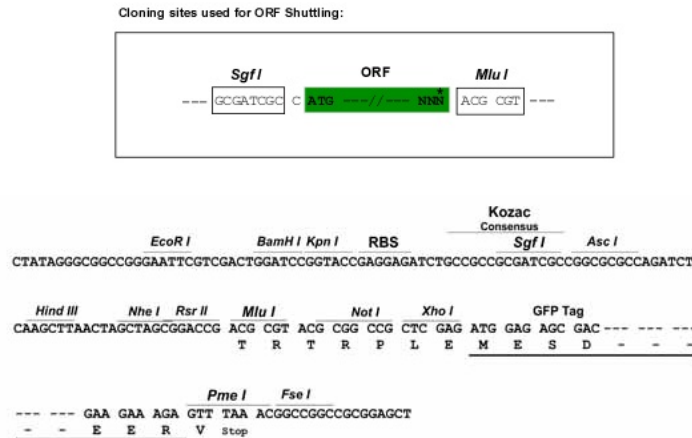
Protein Sequence: >RG216203 representing NM\_015032  
 Red=Cloning site Green=Tags(s)

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 KQLEVLVSPTCSCQAEGCVREITKKGPNKQPTNPFLEMIKFLLERIAPVHIDTESISALIKQVNSID  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

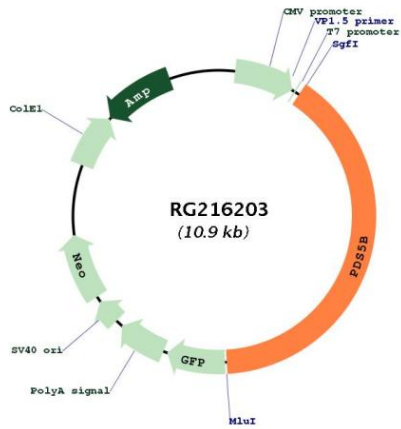


ACCN: NM\_015032

ORF Size: 4341 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_015032.4</a>
<b>RefSeq Size:</b>	7498 bp
<b>RefSeq ORF:</b>	4344 bp
<b>Locus ID:</b>	23047
<b>UniProt ID:</b>	<a href="#">Q9NTI5</a>
<b>Cytogenetics:</b>	13q13.1
<b>Domains:</b>	AT_hook
<b>Gene Summary:</b>	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]

Product images:



Circular map for RG216203