

## Product datasheet for **SC100607**

### **PARD3B (NM\_152526) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PARD3B (NM_152526) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARD3B
Synonyms:	ALS2CR19; PAR3B; PAR3beta; PAR3L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152526, the custom clone sequence may differ by one or more nucleotides

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ATGAAAGTGACCGTGTGCTTCGGCAGGACGGGCATCGTGGTGCCCTGCAAGGAGGGCCAGCTGCGCGTCG
GCGAGCTCACCCAGCAGGCGCTGCACGGTACCTGAAGACCCGGGAGAAGGGTCTGTTACTGGGTGAA
GATTCATCACTTAGAATATACAGATGGAGGAATCCTGGATCCAGATGATGTCTTGGCAGATGTTGTTGAA
GATAAAGACAAGCTGATTGCTGTGTTTGAAGAACAAGAACCCTCCACAAGATTGAGAGCCCCAGTGAA
ACCCTGCAGATCGGCAGAGCCCAGATGCTTTTGAAGACAGAAGTGGCCGCCCACTGGCCGATTTAAGCC
AATTGGTGGGAGATTGAAGTAACCCCTTCTGCTCTAAAAGTGGCAGTCCACTGCTGGTGGGAGAAGC
AGTGACCCAGTGCAGGCCACCTGCTGATACCCAGCCAAGCGCTTCACACCCTGGTGGCCAGAGTCTGA
AACTGGTTGTTCCAGATTCCACGCAGAAGTGGAAAGACAGAGAAGTTTTGAATGGTGTACAGACAGAAGT
ACTAAGTTCGCCAAGAACTAAGGACACATTGAGTGATATGACAAGAAGAGTGGAGATTTCTGGGGAAGGA
GGCCCATTTGGGAATACATGTAGTGCCCTTCTTTTCATCTCTGAGTGGAAAGGATTCTAGGACTCTTCATCC
GAGGCATTGAAGACAACAGCAGGTCCAAGCGGGAGGGACTATTTACGAAAAATGAATGTATTGTAATAAT
CAACAATGTGGATCTCGTAGACAAAACCTTTGCTCAGGCTCAAGATGTCTCCGCCAGGCAATGAAATCT
CCAAGTGTGCTCCTCCACGTGCTTCTCCACAAAACCGTGAACAGTATGAAAAGTCAAGTCAATGGCTCTC
TTAACATTTTTGGTAATAATGATGGCGTTTTGAAAACCAAGTGGCCCTCCTGTCCATGGAAAAATCGGG
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AAGAGTCCCGAGTACCAAGGCTGGGAGGAAAACCATCCTCTCCCTCACTCTCGCCTCTCATGGGATTTG
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GGTTACCAGAGACTCTTCCATACATGGTCCCGTCCCATTTTTGTAAAAAACATTTTACCAAAGGGAGCA
GCAATAAAAGATGGCCGCTACAATCAGGGGACAGAATTTGGAGGTAATGGGAGAGATGTACCAGGAC
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CCGCCAAGAAGGACATTTCTGCCCGAGAGTTGGATGGTGTGCTGCGAATGAATGACCAGCTGATTGCA
GTTAATGGGGAATCTCTTTGGGAAAGTCCAACCAGAAAGCTATGGAAACACTTAGCGGTCAATGTCCA
TGGAGGAAAACATCCGAGGGATGATCCAGTTGGTATTCTGAGGAGGCCAGAGAGACCAATGGAGGATCC

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TGCAGAGTGTGGGGCATTTCCTCAAGCCATGCTTTGAGAACTGTCAAAATGCTGTAAACCACCTCTAGGCGA  
 AATGATAATAGTATCCTGCATCCACTTGGCACTTGCAGTCCACAAGACAAACAGAAAAGGTCTATTGCTGC  
 CCAATGACGGATGGGCCGAGAGTGAAGTTCCACCTTCTCCAACACCACATTCTGCTCTGGGATTGGGCT  
 CGAAGATTACAGCCACAGCTCTGGGGTGGATTACAGCAGTATATTTCCAGATCAGCACATCAACTTCAGA  
 TCTGTGACACCGGCCAGGCAGCTGAATCAATTAATTTGAAAGCCTCGAAGAGCATGGACCTTGCCAG  
 ATGAAAGCAAGGTTCACTCATTGGCTGGACAAAAATCGGAATCTCCAAGCAAAGATTTTGGTCCAACCT  
 GGGTTTGAAAAAGTCCAGCTCCTTGGAGAGTCTGCAGACTGCAGTGGCCGAGGTCAGGAAGAATGACCTT  
 CCCTTTCACAGGCCCGCCGCACATGGTTCGAGGCCGAGGCTGCAATGAGAGCTTTAGAGCAGCCATTG  
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 GAAGAGCTGGAGAAAATGAAAGAAGAGCGTAAAGGATTGGAGCAAAACATCAGGAGCTAAGGGAAAAGC  
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 GGGTGAAGCACTGACCGTATCCAGAAGTTGCGGAAAGAGTATTATCAGGCTCGGAGGGAAGGTTCCCT  
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 CAGATGGGAATGCACACAACCTCCGCTTTGAAGGGATGGAGAGGCAGTACGCATCCTTACCAGGGGAGG  
 ACCCGCAGATCCTGTAGACTATCTGCCAGCAGCACCTCGGGGGCTCTACAAGGAAAGGGAGCTTCCCTAT  
 TATCCAGGGGCTCATCCTATGCACCTCCCAAGGGAGCTATCCCGGCCACAGAGCTCAGGTTGGCAG  
 ATCTCCGGTATCCTCAGCACTACCCACCCCGCCAGCTCCCAGCACAAGGACCTTTTCGACAAGACGT  
 TCCGCCTTCCCTCCCGCAGCACCAGAAATGCCAGCCTATCAGGAAACAGGCAGACCAGGGCCCCGTGGG  
 GGCAGCCAGACCAGTACCCTTACCGAACCAGGATTCCCGCAGAAAGAACCCCATGACTGCAGCCGTAT  
 AG

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_152526 unedited  
 CCCTCATTATCCCCGCCGTTGACGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTA  
 TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC  
 GGCCGCGAATTCGGCACGAGGCTGACCGTGGCCTCTGATGACCAGCAGGTATTAGATGGA  
 AGTGAATGAGAGAGAGAGAGAGAGATGTGTGTGTGTGTATGTGTGTGTTGGAACA  
 CATATGATTGCCAGTATGGAGAATGAAAGATTAATAATGCTTTCTGGAGAGTTTGTATGCA  
 AAAGTGGGGGAAACGGAGAAAAGGCGCTAAGGCTAAATCCATCTGCATTTGCTATATTTT  
 ATTAGCTAAAGTCAGGTCAGGGCAGGGCAAGGCCTCCAATTGGCAAAGGACAGTGTAT  
 GGCTTTAAAAGCTGAAACCCCAACCTTAAGTAGATCACAATGTTTTCTGAGCTTTGCA  
 GTAATTTTCTATGGAACTAAAACCTCTAAAACATACAAGCTGGCCCAAATGAGAACACA  
 AGCAAAAGATGTGGAAGACAGCAAAACCTGAGCACTGGTTTGAACCAGGCACTGACATTT  
 GAAATGCTTTAAGCCTTTTACATTCCTTCTTTATCCCTCCAAAAAAAAGTCTTGAG  
 TTTAATTTAGGCTATTTTGGCTGAGATTAGCATACCTCTGACTCACAGGATTTAATAAA  
 TTATAGTATTATTGAATACATAGGACATCCCTCTACCCAGCTTACTCTTATCTTNTCA  
 TTTAAAATAGTATTCTGCTACCAAGCAGGATGCAACTGCTAGTTCTAGATGTACATAGTG  
 TTATTTACTGGACTTTGTGATATTATTTTCTTAACTACACTCTACTATGGCTCCTGTGAA  
 ACAGATAT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_152526

**Insert Size:**

3000 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>	<a href="#">NM_152526.1</a> , <a href="#">NP_689739.1</a>
<b>RefSeq Size:</b>	7988 bp
<b>RefSeq ORF:</b>	75 bp
<b>Locus ID:</b>	117583
<b>UniProt ID:</b>	<a href="#">Q8TEW8</a>
<b>Cytogenetics:</b>	2q33.3
<b>Gene Summary:</b>	Putative adapter protein involved in asymmetrical cell division and cell polarization processes. May play a role in the formation of epithelial tight junctions.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (Par3Lb) is shorter compared to isoform Par3La. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.