

Product datasheet for SC126489

PARD6B (NM_032521) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARD6B (NM_032521) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARD6B
Synonyms:	PAR6B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032521 edited
GAGGGAGGGAGCTGCTTCCCCGCTGCCGCGCCACCAGTCCGACCCTCGGTCCC GCCGTG
TGAGCAGCTGGTGGAGTGGAGCTCAGCGCGGACGCCGAGCTGCGGCCGCCCTCTGCA
GGTGCCTGTGAGGAGCGCCCGGCCGCAACCGCTTTCGAGATCCCCAGTCGCGCACTC
GCTCCCCGCGCTCCTGAGGGGCCCGCCGCGGAGGAGCCGTCGCGGGGCTCGGCGTTC
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TTTGAGGAGTTTTATGGATTACTACAACATGTTTCATAAGATCCCCAATGTTGACGTTTTG
GTAGGCTATGCAGACATCCATGGAGACTTACTACCTATAAATAATGATGATAATTATCAC
AAAGCTGTTTCAACGGCCAATCCACTGCTTAGGATATTTATACAAAAGAAGGAAGAAGCA
GACTACAGTGCCTTTGGTACAGACACGCTAATAAAGAAGAAGAATGTTTTAACCAACGTA
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AGACCTGTGTCTTCTATTATAGACGTGGATATTCTCCCAGAAACGCATCGTAGGGTACGT
CTTTACAAATACGGCACGGAGAAACCCCTAGGATTCTACATCCGGGATGGCTCCAGTGTC
AGGGTAACACCACATGGCTTAGAAAAGTTCCAGGGATCTTTATATCCAGGCTTGCCCA
GGAGGTCTGGCTCAAAGTACAGGACTATTAGCTGTTAATGATGAAGTTTTAGAAGTTAAT
GGCATAGAAGTTTCAGGGAAGAGCCTTGATCAAGTAACAGACATGATGATTGCAATAGC
CGTAACCTCATATAACAGTGAGACCGGCAAACCAGAGGAATAATGTTGTGAGGAACAGT
CGGACTTCTGGCAGTCCGGTCAGTCTACTGATAACAGCCTTCTGGCTACCCACAGCAG
ATTGAACCAAGCTTTGAGCCAGAGGATGAAGACAGCGAAGAAGTACATTATCATTGAA
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TTAACACAGATAGAGTTAAGCTTTGAGTCTGGACAGAATGGCTTTATCCCTCTAATGAA
GTGAGCTTAGCAGCCATAGCAAGCAGCTCAAACACGGAATTTGAAACACATGCTCCAGAT
CAAAAACCTCTTAGAAGAAGTGGAAACAATCATAACATTATGAAACCGTGGTTTGAATGTT
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CTGACCAGTGACGTGGAATAGGCATGAGACGAGTAACGTTGCAAGCTTACAATATTATTA
AAGTAGTAGTTTGATAATTGTTAATATAAACTTTGGTGGATCAGAGGTGAATTTAAGTCC



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AAAACAAAGGGGCTTTGCTGATGAAGTTACGTGCTTTTGTCTGTTTTGTCTGTGGAGAATC
 AGATGTTAAAGCACATTCTTGGAACTATGTGAGAAGACTAGATCATTTCTGTTGGAAGTG
 GTTGCATATTTAACCTGCTGTGCAGAGCCAGTTAATTTTTCTTTAACTGTATTTTTAA
 AATTCTAATGTGAAGTCTGATTCTCTCTGTGGTACATTGGGGACCTCAGCTCTTAAAGG
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 TAACAGAGTGAGACCGTTTCTAAAAATTAATAAAAAAAAAAAAAAAAAAGGCAGCTGGATGCAGT
 GGCTAGCACCTGTAATCCAGCTACTTGGGAGGCTGATCCGCCATCTCCTCCCAAAGTG
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 GGCTTTAACATCTGTGAGTCTTATAAATTTGACTCTTGAATGGCAAAATTAATGTTAGTA
 TGTAGAAGGTTAACTTTTCAATTTATAAATAAAGTGGTGCAGGGGTTCAACATTTTAAAGTAA
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 ATCCTGTTAAGGGTATCTATCAATGGTATTTTCAAGTAGATCTCTGTTTCTTAAATTTATT
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 ATATCAGCTCATTGGTAGGCTGAATCAATTATTTCAAGTGCACCTTATTACAAAAGTAT
 CAGTGGATCCAACATAAAATTTTATAGTACTAAATGTCAAGCCTAACTGTGAATTTTGT
 CTGTATCTTAAGTAAATTTATGATAATGTTCTCGAGCTATCAACAAAATATATGACTTT
 TGTGAGCTATGAATTTTCAATTAATTTTACATGCTATAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032521 unedited
 NGTCAGGTCATTATTTGTATACGACTCACTATAGGCGGCCGCCCTCTGCAGGTGCCTG
 TGAGGAGGCGCCCGGGCCGAACCGCTTCCGAGATCCCCAGTCGCGCACTCGCTCCCCG
 CGCTCCTGAGGGGCCCGCCGGCCGAGGAGGCCGTCGCGGGGCTCGGCCTCAGCATGAA
 CCGCAGCCACCGGCACGGGGCGGGCAGCGGCTGCCTGGGCACTATGGAGGTGAAGAGCAA
 GTTTGGAGCTGAATTTCTGCGTTTTGCTGGAAGATCAAACTGGAAATTTGAGGA
 GTTTTATGGATTACTACAACATGTTTATAAGATCCCCAATGTTGACGTTTTGGTAGGCTA
 TGCAGACATCCATGGAGACTTACTACCTATAAATAATGATGATAATTATCACAAGCTGT
 TTCAACGGCCAATCCACTGCTTAGGATATTTATACAAAAGAAGGAAGAAGCAGACTACAG
 TGCTTTTGGTACAGACACGCTAATAAAGAAGAAGAATGTTTTAACCAACGTATTGCGTCC
 TGACAACCATAGAAAAAGCCACATATAGTCATTAGTATGCCCAAGACTTTAGACCTGT
 GTCTTCTATTATAGACGTGGATATTCTCCAGACACGCATCGTAGGGTACGTCTTTACAA
 ATACGGCACGGAGAAACCCCTAGGATTCTACATCCGGGATGGCTCCAGTGTGAGGTAAC
 ACCACATGGCTTAGAAAAGGTTCCAGGGATCTTTATATCCACGCTTGTCCANGAGGTCT
 GGCTCAAAGTACAGGACTATTAGCTGTTAATGATGAAGTTTTAAACTTATGGCCTAAAA
 GTCTCAGGAAGAGCCTTGATCAAGTACAGACACGAGATTGCGAATAGCCC

Restriction Sites:	NotI-NotI
ACCN:	NM_032521
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).
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).
Reconstitution Method:	<ol style="list-style-type: none">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_032521.1 , NP_115910.1
RefSeq Size:	3655 bp
RefSeq ORF:	1119 bp
Locus ID:	84612
UniProt ID:	Q9BYG5
Cytogenetics:	20q13.13
Protein Pathways:	Endocytosis, Tight junction
Gene Summary:	This gene is a member of the PAR6 family and encodes a protein with a PSD95/Disc-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex. [provided by RefSeq, Jul 2008]