

Product datasheet for MC210169

Pard6b (NM_021409) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pard6b (NM_021409) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pard6b
Synonyms:	AV025615; Par6b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210169 representing NM_021409 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCGCGCCACCGGCACGGGGCGAGCAGCGGCTGCCTGGCACCATGGAGGTGAAGAGCAAGTTTG
GAGCTGAGTTTCGTCGGTTTTCACTGGAAAGTCTAAGCCTGGAAAATTTGAGGAGTTTTACGGACTGCT
GCAACATGTTTACAAGATCCCCAATGTCGACGTGTTGGTGGGCTACGCAGATATCCACGGGGACCTGCTG
CCTATAAATAATGATGACAACCTACCACAAGCGGTTTTCCACCGCAATCCACTGCTCAGGATTTTTATAC
AGAAGAAGGAAGAAGCTGACTACAGTGCCTTTGGCACCGACACCCTGATCAGGAAGAAGAACATGCTGAG
CAACGTGCTGCTCCCGACAACCACCGGAAGAAGCCTCACATCGTCATCAGCATGCCGCAGGACTTCCGG
CCCGTGTCCATCCATCATCGACGTGGACATCCTCCAGAGACGCACCGGAGGGTCCGTCTGTACAAGTACG
GCACAGAGAAGCCGCTGGGCTTCTACATCCGGGATGGCTCCAGCGTCCGAGTGACACCGCACGGCTTGG
GAAAGTCCCCGGCATCTTCATATCTCGGCTCGTCCCTGGGGTCTGGCCAGAGCACGGGCTGCTAGCT
GTCAACGATGAGGTGTTAGAAGTCAACGGTATAGAAGTGTCCGGGAAGAGCCTGGACCAGGTGACTGACA
TGATGATAGCCAACAGCCGAACCTCATCATCACCGTGCGCCCGCCAACCAGAGGAACAACGTGGTGCC
CAACAGTCGGACTTCTGGCAGCTCCAGCCAGTCCACTGACAACAGCCTCCTGGGCTTCCCACAGCAGGTG
GAGGCCAGCTTTCGAGCCCGAGGACCAGGACAGCAGCAGGAGCAGCATCATCATTGAAGACAGTGGCGAGC
CGCAGCAGATCCCGAAGGCCACCCCGCCAGAGCCTGGAGTCCCTGACGCAGATCGAGCTCAGCTTTGA
GTCCGGACAGAACGGGTTCTCCCTCCTCAGGACACGAGCCTGGTGCCTGTGCCCGGACGCTGGACACA
GAGCTGGAAGCCGGGCTCCGGACCAGAACTCTTAGAGGAAGATGGGACAATCATAACATTG**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_021409
Insert Size:	1116 bp
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_021409.2 , NP_067384.2
RefSeq Size:	3409 bp
RefSeq ORF:	1116 bp
Locus ID:	58220
UniProt ID:	Q9JK83
Cytogenetics:	2 H3
Gene Summary:	Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in formation of epithelial tight junctions. Association with PARD3 may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins.[UniProtKB/Swiss-Prot Function]