

Product datasheet for **MG204154**

Pard6b (BC025147) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pard6b (BC025147) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Pard6b
 Synonyms: AV025615; Par6b
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG204154 representing BC025147
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCGCGCCACCGGCACGGGGCGAGCAGCGGCTGGCTGGGCACCATGGAGGTGAAGAGCAAGTTTG
 GAGCTGAGTTTCGTCGGTTTTCACTGGAAAGATCTAAGCCTGGAAAATTTGAGGAGTTTTACGGACTGCT
 GCAACATGTTACAAGATCCCCAATGTCGACGTGTTGGTGGGCTACGCAGATATCCACGGGGACCTGCTG
 CCTATAAATAATGATGACAACCTACCACAAGCGGTTTTCCACCGCAATCCACTGCTCAGGATTTTTATAC
 AGAAGAAGGAAGAAGCTGACTACAGTGCCTTTGGCACCGACACCCTGATCAGGAAGAAGAACATGCTGAG
 CAACGTGCTGCGTCCCGACAACCACCGGAAGAAGCCTCACATCGTCATCAGCATGCCGCAGGACTCCGG
 CCCGTGTCATCCATCATCGACGTGGACATCCTCCAGAGACGCACCGGAGGGTCCGTCTGTACAAGTACG
 GCACAGAGAAGCCGCTGGGCTTCTACATCCGGGATGGCTCCAGCGTCCGAGTGACACCGCACGGCTTGG
 GAAAGTCCCCGGCATCTTCATATCTCGGCTCGTCCCTGGGGTCTGGCCAGAGCACGGGCTGCTAGCT
 GTCAACGATGAGGTGTTAGAAGTCAACGGTATAGAAGTGTCCGGGAAGAGCCTGGACCAGGTGACTGACA
 TGATGATAGCCAACAGCCGAACCTCATCATCACCGTGCGCCGGCAACCAGAGGAACAACGTGGTGCG
 CAACAGTCGGACTTCTGGCAGCTCCAGCCAGTCCACTGACAACAGCCTCCTGGGCTCCACAGCAGGTG
 GAGGCCAGCTTCGAGCCCGAGGACCAGGACAGCGACGAGGACGACATCATCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204154 representing BC025147
 Red=Cloning site Green=Tags(s)

MNRGHRHGASSGWLGTMEVKSFKGAEFRFSLERSKPGKFEFYGLLQHVHKIPNVVDLVGYADIHGDLL
 PINNDDNYHKAVSTANPLLRIFIQKKEEADYSAFGTDLIRKKNMLSNVLRPDNRKPKPHIVISMPQDFR
 PVSSIIDVDILPETHRRVRLKYGTTEKPLGFYIRDGSSVRVTPHGLEKVPGIFISRLVPGGLAQSTGLLA
 VNDEVLEVNGIEVSGKSLDQVTDMMIANSRNLIIIVRANQRNNVVRNSRTSGSSSQSTDNSLLGFPQQV
 EASFEPEDQDSDEDDIIC

TRTRPLE - GFP Tag - V

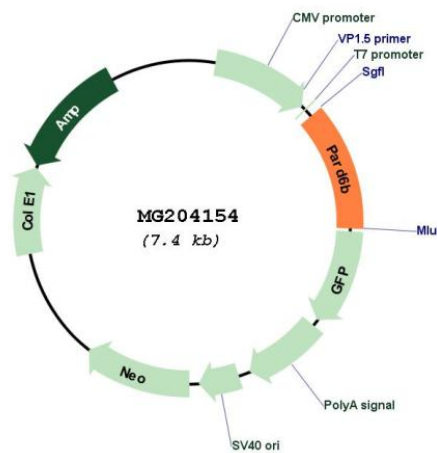
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC025147

ORF Size: 896 bp

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|-------------------------------|---|
| OTI Disclaimer: | 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. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | BC025147 , AAH25147 |
| RefSeq Size: | 2705 bp |
| RefSeq ORF: | 896 bp |
| Locus ID: | 58220 |
| 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] |