

Product datasheet for **MG205961**

Pard6g (NM_053117) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pard6g (NM_053117) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pard6g
Synonyms:	2410049N21Rik; Par6a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205961 representing NM_053117 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCGGAGTTTTTCATAAGTCTCAGACCCTACGCTTCTACGACTGCAGCGCTGTGGAAGTCAAGAGCA
AGTTTGGCGCGGAGTCCGAAGTTCTCCTTGGACCGCCACAAGCCTGGGAAGTTGAAGATTTCTACCA
GCTGGTGGTGACACCCACCACATCTCTAACCCGAGGTGACCATCGGCTATGCTGATGTGCACGGGGAC
CTGCTGCCATCAACAATGACGACAACCTCTGCAAGGCAGTCTCAAGTCAAACCCCTTGCTTCGAGTCT
TCATCCAGAAACGAGAAGAAGCAGACCATTACAGCTTCGGAGCAGGCACTCTGTACGGAAGAAAAAGGT
GCTGGTGAACCTGAGGGATGACGGTCTGCGTCGGCGTCCCCACCTCAACATCAGCATGCCGATGACTTC
CGCCAGTGTCATCCATCATTGACGTGGACATCCTCCCGGAGACGACCCGCCGAGTGAGGCTCTACAGAC
ACGGTTGTGAGAAGCCACTGGGCTTCTACATTCGAGATGGCACCAGCGTGCAGGTTGACGCCCCATGGGCT
AGAAAAGGTACCAGGTATCTTCAATTTCTCGAATGGTACCCGGGGGCTTGCAGGAGCACTGGGCTACTG
GCTGTGAATGATGAAGTCTGGAGGTGAATGGGATTGAGGTAGCTGGAAGACCTTGATCAAGTACAG
ACATGATGATAGCCAACAGCCACAACCTCATTGTCACTGTCAAGCCGGCAACCAAGGAACAATGTGGT
CCGACAGCAGCCGACGTCCGGCAGCTCTGTGCATTCCACAGACAGCACCAGTACCACAGCCTGCCA
GGTGCCCATGTCTGCAGAATTCTGAGGACGTGGAGAGTGACGAGGAAGCCGACATTGTCATTGAAGGGG
CTCTAGAACCTCAACACATTCCTAAGACGAGGCTGTACCTCCAGGCAGCCTCTCCAGGGCAATGGCAC
CAGCCTTGCTCACGGGCTGCACAGAAGGACATGAGCCTGCATAGCTCTGGGAGGAGAGCAACGGCAGC
ATCCACAGATTTCTCAGCTCTCTGAAGCCAGACCCCGACACAGCCTGCTCCTCCCAAGGAGGGGTGG
AGGAACATGGGCCAGCCATTACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205961 representing NM_053117
 Red=Cloning site Green=Tags(s)

MNRSFHKSQTLRFYDCSAVEVKSFKGAEFRRLDRHKPGKFEDFYQLVVHTHHISNTEVTIGYADVHGD
 LLPINDDNFCKAVSSANPLLRVFIQKREEDHYSFGAGTLSRKKKVLVTLRDDGLRRRPHLNISMPHDF
 RPVSSIIDVDILPETHRRVRLYRHGCEKPLGFYIRDGTSVRVTPHGLEKVPGIFISRMVPGGLAESTGLL
 AVNDEVLEVNGIEVAGKTLDQVTDMMIANSHNLIVTKPANQRNNVVRSSRTSGSSVHSTDSTTSHHSLP
 GAHVLQNSDEVSEEDIVIEGALEPQHIPKTQAVPPGSLSRANGTSLAHLHRRDMSLHSSGRESNGS
 IHRFLSSLKPPRHSLVLPQGGVEEHGPAITL

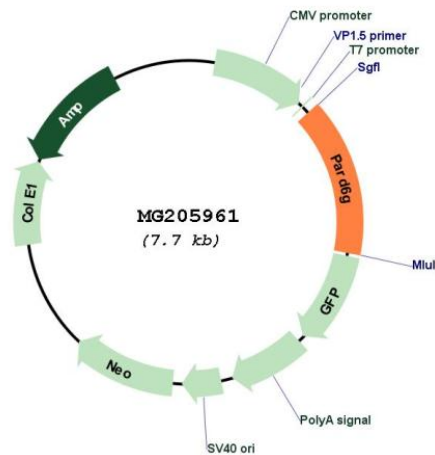
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053117

ORF Size:	1146 bp
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:	NM_053117.2 , NP_444347.2
RefSeq Size:	2825 bp
RefSeq ORF:	1149 bp
Locus ID:	93737
UniProt ID:	Q9JK84
Cytogenetics:	18 E3
Gene Summary:	Adapter protein involved in asymmetrical cell division and cell polarization processes. May play a role in the formation of epithelial tight junctions. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins (By similarity). [UniProtKB/Swiss-Prot Function]