

Product datasheet for **MG225741**

Pard3 (NM_001122850) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pard3 (NM_001122850) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pard3
Synonyms:	AA960621; AI256638; Asip; D8Ertd580e; Par-3; Par3; Pard-3; Pard3a; Phip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225741 representing NM_001122850
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGTGACCGTGTGCTTCGGGAGGACCCGGTGGTCTGCCGTGCGGAGATGGCCGCATGAAAGTTT
 TCAGCCTCATCCAGCAGGCGGTGACCCGCTACCGAAGGCCGTGGCCAAGGATCCAAACTACTGGATACA
 GGTGCATCGCTTGAGCATGGAGATGGAGGGATTCTAGACCTGGATGACATCCTCTGTGACGTTGCTGAT
 GACAAAGACAGACTGGTAGCAGTATTTGATGAACAGGATCCCCACCATGGAGGAGATGGTACCAGCGCCA
 GCTCCACGGGAACCCAGAGTCCAGAGATATTCGGCAGTGAGCTGGGCACCAACAATGTTTCTGCTTTTCA
 GCCTTATCAAGCCACAAGTAAAATTGAGGTCACGCCTTCAGTTCTTCGGGCAAATATGCCTTTCATGTC
 CGCCGGAGCAGCGACCCAGCTTTAACTGGCCTTCCACTTCTGTCAGTGATAACAACTTTTCTCAGAGG
 AGCCCTCCAGGAAAACCCACCCGCTGGTCCACGACAGCTGGCTTTCTCAAGCAGAACCCGCTGGAAG
 TCCAAAACCTGCGACAGGAAGAAAGATGAAAACCTACAGAAGCCTCCACGGGATCCAGTAGCTGGTCC
 AACCGATTCCAGCGAGACAACGCCCGCTCCTCCCTGAGCGCCAGCCACCAATGGTAGACCGGTGGCTGG
 AGAAGCAAGAACAGGATGAGGAAGGCACAGAAGAGACAGCAGCCGAGTGGAGCCGGTTGGACATGCTGA
 TACCGGATTGGAGAACATGCCAACTTTTCCCTCGATGATATGGTAAAGCTCGTACAAGTCCCAACGAT
 GGAGGGCCCTGGGAATCCATGTAGTGCCTTTCAGTGTCTGAGGCGGCAGAACATTGGGGTTGTTAGTGA
 AGCGGTTGGAGAAAGGCGGTAAAGCTGAGCAAGAAAACCTTTTCCATGAGAATGACTGCATTGTGAGGAT
 TAACGATGGAGATCTTCGAAACAGAAGATTTGAGCAAGCAACATATGTTCCGCAAGCTATGCGTGCG
 CGTGTCAATTTGGTCCATGTGGTCCCTGCAGCAACAAGGAGCAATATGAACAACGTCCCAACCGGAGA
 AGAACAACACTCCCCAGGCCGCTTCAGCCCTGACAGCCACTGTGTGGCCAACAGGAGTGTGGCCAACA
 TGCCCTCAAGCATTGCCAGAGCACCCAGACTGAGTCAGCCACCCGAGCAGCTGGATGCTCACCCCGA
 CTACCTCATAGTCTCACGCCTCAACCAAAACCCCGCAGCCCGGCCTTGGCTCCACCCAGTGTGCTTA
 GTACCAACGTAGGCAGTGTGTACAACACGAAGAAAGTAGGCAAGAGGCTCAACATCCAGCTTAAGAAAGG
 TACAGAAGGACTGGGATTCAGCATCACCTCCCGGACGTCACCATAGGTGGCTCAGCTCCCATTTATGTC
 AAGAATATCCTTCTCGAGGGGCTGCCATTGAGGATGGCAGACTCAAGGCAGGAGACCGGCTAATAGAGG
 TCAATGGAGTAGATTTAGCAGGCAAATCCAGGAGGAAGTTGTTCCCTGTTGAGAAGCACCAAGATGGA
 GGGGACTGTGAGCCTTCTGGTCTTTCGTCAGGAAGAGGCTTCCACCCAAGGAAATGAATGCTGAACCA
 AGCCAGATGCAGACTCCAAAAGAAACGAAAGCTGAAGATGAGGACGTTGTTCTCACACCCGATGGTACCA
 GGGAGTTTCTGACTTTTGAAGTTCCACTGAATGACTCAGGATCTGCAGGGCTTGGTGTGAGTGTCAAGGG
 GAACCGTTCCAAAGAGAACCACGCAGATTTGGGGATCTTCGTTAAATCCATTATCAATGGTGGAGCTGCA
 TCTAAAGATGGAAGGCTGAGGGTAAATGACCAGCTGATAGCTGTGAATGGAGAATCTCTACTGGGCAAAAG
 CCAACCAGGAAGCCATGGAGACTCTACGGAGGTCCATGTCCACCGAGGGCAACAAGCGTGGCATGATCCA
 GCTCATTTGTGGCAGGCGGATCAGCAGATGTAACGAGCTGCGGTCTCTGGGAGCCCTGCTGCACCTGAG
 CTGCCATCGAGACAGAACTGGATGACCGAGAACGCAGGATCTCACACTCCCTCTACAGTGGGATCGAGG
 GGCTGGATGAGTCGCCACCAGGAACGCAGCACTGAGCAGGATAATGGGAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Reconstitution Method:

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_001122850.2](#)

RefSeq Size: 4178 bp

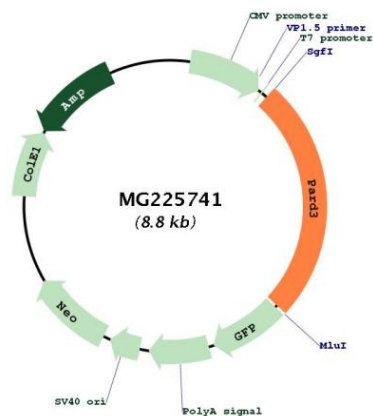
RefSeq ORF: 2226 bp

Locus ID: 93742

Cytogenetics: 8 74.66 cM

Gene Summary: Adapter protein involved in asymmetrical cell division and cell polarization processes (By similarity). Seems to play a central role in the formation of epithelial tight junctions (By similarity). Targets the phosphatase PTEN to cell junctions (By similarity). Association with PARD6B may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly (PubMed:11839275). The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins (By similarity). Required for establishment of neuronal polarity and normal axon formation in cultured hippocampal neurons (By similarity). Involved in Schwann cell peripheral myelination (PubMed:21949390). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225741