

Product datasheet for **RG214353**

PARD3B (NM_205863) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARD3B (NM_205863) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PARD3B
Synonyms:	ALS2CR19; PAR3B; PAR3beta; PAR3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214353 representing NM_205863 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGTGACCGTGTGCTTCGGCAGGACGGGCATCGTGGTGCCCTGCAAGGAGGGCCAGCTGCGCGTCG
GCGAGCTCAGCCAGCAGCGCTGCAGCGGTACCTGAAGACCCGGGAGAAGGGTCTGGTTACTGGGTGAA
GATTCATCACTTAGAATATACAGATGGAGGAATCCTGGATCCAGATGATGTCTTGGCAGATGTTGTTGAA
GATAAAGACAAGCTGATTGCTGTGTTTGAAGAACAAGAACCCTCCACAAGATTGAGAGCCCCAGTGGA
ACCCTGCAGATCGGCAGAGCCCAGATGCTTTTGAGACAGAAGTGGCCGCCCACTGGCCGCATTTAAGCC
AATTGGTGGGGAGATTGAAGTAACCCCTTCTGCTCTAAACTAGGCACTCCACTGCTGGTGAGGAGAAGC
AGTGACCCAGTGCCAGGCCACCTGCTGATACCCAGCCAAGCGCTTCACACCCTGGTGGCCAGAGTCTGA
AACTGGTTGTTCCAGATTCCACGCAGAATTGGAAGACAGAGAAGTTTGAATGGTGACAGACAGAAT
ACTAATTCGCCAAGAATAAGGACACATTGAGTGATATGACAAGAACAGTGAGATTCTGGGGAAGGA
GGCCATTGGGAATACATGTAGTGCCCTTCTTTTCATCTCTGAGTGGAAGGATTCTAGGACTCTTCATCC
GAGGCATTGAAGACAACAGCAGGTCCAAGCGGGAGGGACTATTTACGAAAAATGAATGTATTGAAAAAT
CAACAATGTGGATCTCGTAGACAAAACCTTTGCTCAGGCTCAAGATGTCTTCGCCAGGCAATGAAATCT
CCAAGTGTGCTCCTCCAGTGCTTCTCCACAAAACCGTGAACAGTATGAAAAGTCAGTCATTGGCTCTC
TTAACATTTTGGTAATAATGATGGCGTTTGAAGAACCAAGTGCCGCTCCTGTCCATGGAAAATCGGG
ACTAAAGACAGCAAACTCACAGGAACCGATAGTCTGAAACAGATGCATCAGCTTCCCTGCAACAAAAC
AAGAGTCCCCGAGTACCAAGGCTGGGAGGAAAACCATCCTCTCCCTCACTCTCGCTCTCATGGGATTTG
GCAGCAATAAAAAATGCAAGAAAATTAAGATTGACCTAAAGAAAGGCCCTGAAGGACTTGGTTTCACTGT
GGTTACCAGAGACTCTTCATACATGGTCCCGGTCCCATTTTGTAAAAAACATTTTACCAAAGGGAGCA
GCAATAAAAGATGGCCGCTACAATCAGGGGACAGAATTTGGAGGTAATGGGAGAGATGTCACCGGAC
GAACCCAGGAAGAGCTTGTGGCCATGCTCAGGAGCACCAAGCAGGGGGAGACAGCATCGTGGTCATTGC
CCGCCAAGAAGGACATTTCTGCCCGAGAGTTGAAAGGAGAACCTGACTGCTGTGCACTCTCTCTGGAG



[View online »](#)

ACAAGCGAGCAGCTCACCTTTGAGATCCCCCTGAATGATTGAGGTTCTGCTGGCCTCGGGGTGAGCTTAA
AAGGGAACAAATCCAGAGAACTGGAACAGACTTGGGGATTTTATCAAATCCATCATTATGGAGGCGC
TGCTTTTAAGGATGGTCTGCTGCGAATGAATGACCAGCTGATTGCAGTTAATGGGGAATCTCTTTTGGGA
AAGTCCAACCACGAAGCTATGGAACACTTAGGCGGTCAATGTCCATGGAGGGAACATCCGAGGGATGA
TCCAGTTGGTGATTCTGAGGAGGCCAGAGAGACCAATGGAGGATCCTGCAGAGTGTTGGGGCATTTTCCAA
GCCATGCTTTGAGAACTGTCAAAATGCTGTAACCACTCTAGGCGAAATGATAATAGTATCTGCATCCA
CTTGGCACTTGCACTCCACAAGACAAACAGAAAGTCTATTGCTGCCAATGACGGATGGGCCGAGAGTG
AAGTTCACCTTCTCCAACACCACATTCTGCTCTGGGATTGGGCCCTCGAAGATTACAGCCACAGCTCTGG
GGTGGATTGAGCAGTATATTTCCAGATCAGCACATCACTTCAGATCTGTGACACCGGCCAGGCAGCCT
GAATCAATTAATTTGAAAGCCTCGAAGAGCATGGACCTTGTGCCAGATGAAAGCAAGGTTCACTCATTGG
CTGGACAAAAATCGGAATCTCCAAGCAAAGATTTTGGTCCAACCTGCGGTTTAAAAAGTCCAGCTCCTT
GGAGAGTCTGCAGACTGCAGTGGCCGAGGTGAGGAAGATGACCTTCCCTTTCACAGGCCCGGCCGCAC
ATGTTTCGAGGCCGAGGTGCAATGAGAGCTTTAGAGCAGCCATTGACAAATCCTACGATGGACCTGAAG
AAATAGAAGCTGACGGTCTGTCTGATAAGAGCTCTCACTCTGGCCAAGGAGCTCTGAATTGTGAGTCTGC
CCCTCAGGGGAATTCGGAGCTAGAGGACATGAAAAATAAGCCAGGAAAGTCAAAAAACGAAAGAGAAG
GAGAAGAAAAAGGAAAAGGGCAAATTGAAAGTCAAGGAGAAAAAGCGCAAAGAGGAGAATGAAGTCCAG
AAAGGAAAAATAAGAAAGAGGGCTTCGGCGCCATGCTGAGATTTGAAAGAAAGAAAGAGGATAAGGGTGG
AAAGGCTGAGCAGAAAGGTAATCTGAAACATGGTGGCCTGAGAGAAGAAGAGCTGGAGAAAAATGAAAGAA
GAGCGTGAAGTGGCCGCTACGGGTGGAAGCACTGACCGTATCCAGAAGTTCGCGAAAGAGTATTATC
AGGCTCGGAGGGAAGGTTTCCCTTTATATGAAGACGACGAAGGAAGAGCAAGGCCATCTGAGTATGACCT
ACTCTGGTGCCTGGAAGGGTCCAGATGGGAATGCACACAACCTCCGCTTTGAAGGGATGGAGAGGCAG
TACGCATCCTTACCCAGGGGAGGACCCGAGATCCTGTAGACTATCTGCCAGCAGCACCTCGGGGCTCT
ACAAGGAAAGGGAGCTTCCCTATTATCCAGGGGCTCATCTATGCACCCTCCCAAAGGAGCTATCCCCG
CCCCACAGAGCTCAGGTGGCAGATCTCCGGTATCCTCAGCACTACCCACCCCGGCAGCTCCCCAGCAC
AAAGGACCTTTTCGACAAGACGTTCCGCTTCCCTCCCCAGCACCAAGAATGCCAGCCTATCAGGAAA
CAGGCAGACCAGGGCCCGTGGGGCAGCCAGACCAGTACCCTTACCGAACCCAGGATTCGCGGCAGAA
GAACCCCATGACTGCAGCCGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214353 representing NM_205863

Red=Cloning site Green=Tags(s)

MKVTVCFGRTGIVVPCKEQLRVGELTQQALQRYLKTREKPGYWVKIHHLEYTDGGILDPDDVLADVVE
DKDKLIIVFEEQEPLHKIESPSGNPADRQSPDAFETEVAAQLAAFKPIGGEIEVTPSALKLGTPLLVRRS
SDPVPGPADTQPSASHPGGQSLKLVDPDSTQNLREDREVLNGVQTELLTSPRTKDTLSDMTRTVEISGEG
GPLGIHVVPFFSSLSGRILGLFIRGIEDNSRSKREGLFHENEIVKINNVDLVDKTFQAQDVFRQAMKS
PSVLLHVLPPQNREQYKESVIGSLNIFGNNDGVLKTKVPPPVHKGSLKTANLTGTDSPETDASASLQQN
KSPRPVRLGGKPSSPSLSPLMGFGSNKNAKKIKIDLKKGPEGLGFTVVTRDSSIHGPGPIFVKNILPKGA
AIKDGRQLQSGDRILEVNGRDVTGRTQEELVAMLRSTKQGETASLVIARQEGHFLPRELKGEPPDCCALSLE
TSEQLTFEIPLNDSGSAGLGVSLKGNKSRETGTDLGIFIKSIIHGGAFFKDGRLRMNDQLIAVNGESLLG
KSNHEAMETLRRSMSGNIRGMIQLVILRRPERPMEDPAECGAFSKPCFENCQNAVTTSSRRNDNSILHP
LGTCSPPQDKQGLLLPNDGWAEEVPPSPTPHSALGLLEDYSHSSGVDSAVYFPDQHINFRSVTPARQP
ESINLKASKSMDLVPDESKVHSLAGQKSESPPSKDFGPTLGLKKSSLESQTAVAIEVRKNDLPFHRPRPH
MVRGRGCNESFRAAIDKSYDGPTEEADGLSDKSSHSGQALNCEAPQGNSELEDMENKARKVKKTKKEK
EKKKEKGKLVKEKKRKEENEDPERKIKKKGFAMLRFGKKKEDKGGKAEQKGTLLKHGGLREEELEKMKKE
ERESGRPTGGSTDRIQKLKEYYQARREGFPLYEDDEGRARPSEYDLLWVPGRGPDGNHNLRFEGMERQ
YASLPRGGPADPDYLPAAPRGLYKERELPYYPGAHPMHPPKGSYPRPTELRVADLRYPQHYPPPPAPQH
KGPFQRQDVPPSPQHQRPMPAYQETGRPGPRGGSPDQYPYRTQDSRQKNPMTAAV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

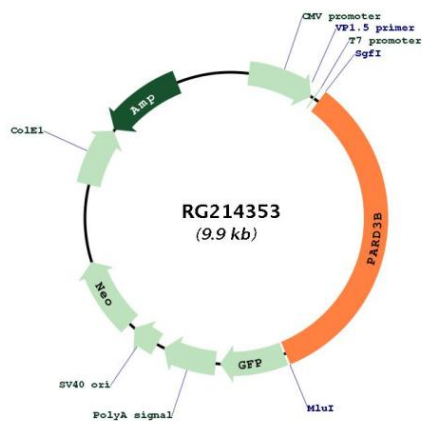
Cloning Scheme:


ACCN:	NM_205863
ORF Size:	3312 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:	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_205863.4
RefSeq Size:	7871 bp
RefSeq ORF:	3315 bp
Locus ID:	117583
UniProt ID:	Q8TEW8

Cytogenetics: 2q33.3

Gene Summary: Putative adapter protein involved in asymmetrical cell division and cell polarization processes. May play a role in the formation of epithelial tight junctions.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214353