

Product datasheet for **RG214310**

PARD3B (NM_152526) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RG214310 representing NM_152526
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAAAGTGACCGTGTGCTTCGGCAGGACGGGCATCGTGGTGCCCTGCAAGGAGGGCCAGCTGCGCGTCCG
GCGAGCTCACCCAGCAGCGCTGCAGCGGTACCTGAAGACCCGGGAGAAGGGTCTGGTTACTGGGTGAA
GATTCATCACTTAGAATATACAGATGGAGGAATCCTGGATCCAGATGATGTCTTGGCAGATGTTGTTGAA
GATAAAGACAAGCTGATTGCTGTGTTTGAAGAACAAGAACCACTCCACAAGATTGAGAGCCCCAGTGGAA
ACCGTCGAGATCGGCAGAGCCAGATGCTTTTGAGACAGAAGTGGCCGCCCACTGGCCGCAATTAAGCC
AATTGGTGGGAGATTGAAGTAACCCCTTCTGCTCTAAACTAGGCACTCCACTGCTGGTGAGGAGAAGC
AGTGACCCAGTGCCAGGCCACCTGCTGATACCCAGCCAAGCGCTTCACACCCTGGTGGCCAGAGTCTGA
AACTGGTTGTTCCAGATTCCACGCAGAATTGGAAGACAGAGAAGTTTGAATGGTGTACAGACAGAAT
ACTAATTCGCCAAGAATAAGGACACATTGAGTGATATGACAAGAAGCAGTGGAGATTCTGGGGAAGGA
GGCCCATTTGGGAATACATGTAGTGCCCTTCTTTTCATCTCTGAGTGAAGGATTCTAGGACTCTTCATCC
GAGGCATTGAAGACAACAGCAGGTCCAAGCGGGAGGACTATTTACGAAAAATGAATGTATTGAAAAAT
CAACAATGTGGATCTCGTAGACAAAACCTTGTCTCAGGCTCAAGATGTCTCCGCCAGGCAATGAATCT
CCAAGTGTGCTCCTCCAGTGCTTCTCCACAAAACCGTGAACAGTATGAAAAGTCAGTCATTGGCTCTC
TTAACATTTTGGTAATATGATGGCGTTTGAACCAAGTGGCGCTCCTGTCCATGAAAAATCGGG
ACTAAGACAGCAATCTCACAGGAACCGATAGTCTGAAACAGATGCATCAGCTTCCCTGCAACAAAAC
AAGAGTCCCGAGTACCAAGGCTGGGAGGAAAACCATCTCTCCCTCACTCTCGCTCTCATGGGATTTG
GCAGCAATAAAAAATGCAAGAAAAATTAAGATTGACCTAAAGAAAGGCCCTGAAGGACTTGGTTTCACTGT
GGTTACCAGAGACTCTTCATACATGGTCCCGTCCCATTGTAATAAACATTTTACCAAGGGAGCA
GCAATAAAGATGGCCGCTACAATCAGGGGACAGAATTTGGAGGTAATGGGAGAGATGTACCCGGAC
GAACCCAGGAAGAGCTTGTGGCCATGCTCAGGAGCACAAGCAGGGGAGACAGCATCGTGGTCATTGC
CGGCCAAGAAGGACATTTCTGCCCCGAGAGTTGGATGGTCTGTCGCAATGAATGACCAGCTGATTGCA
GTTAATGGGAATCTCTTTTGGAAAGTCCAACACGAAGCTATGGAAACACTTAGCGGTCAATGTCCA



TGGAGGGAACATCCGAGGGATGATCCAGTTGGTGATTCTGAGGAGGCCAGAGAGACCAATGGAGGATCC
TGCAGAGTGTGGGGCATTTTCCAAGCCATGCTTTGAGAACTGTCAAATGCTGTAAACACCTCTAGGCGA
AATGATAATAGTATCCTGCATCCACTTGGCACTTGCAGTCCACAAGACAACAGAAAGGTCTATTGCTGC
CCAATGACGGATGGGCCGAGAGTGAAGTTCCACCTTCTCAAACACCACATTCTGCTCTGGGATTGGGCCT
CGAAGATTACAGCCACAGCTCTGGGGTGGATTACGAGTATATTTCCAGATCAGCACATCAACTTCAGA
TCTGTGACACCGGCCAGGCAGCCTGAATCAATTAATTTGAAAGCCTCGAAGAGCATGGACCTTGTGCCAG
ATGAAAGCAAGGTTCACTCATTGGCTGGACAAAAATCGGAATCTCCAAGCAAAGATTTTGGTCCAACCT
GGGTTTGAAAAAGTCCAGCTCCTTGGAGAGTCTGCAGACTGCAGTGGCCGAGGTGAGGAAGATGACCTT
CCCTTTACAGGCCCGGCCGCACATGGTTCGAGGCCGAGGCTGCAATGAGAGCTTTAGAGCAGCCATTG
ACAAATCCTACGATGGACCTGAAGAAATAGAAGCTGACGGTCTGTCTGATAAGAGCTCTCACTCTGGCCA
AGGAGCTCTGAATTGTGAGTCTGCCCTCAGGGGAATTCGGAGCTAGAGGACATGGAAAAATAAGCCAGG
AAAGTCAAAAAACGAAAGAGAAGGAGAAGAAAAAGGAAAGGGCAAAATTGAAAGTCAAGGAGAAAAAGC
GCAAAGAGGAGAATGAAGATCCAGAAAGGAAAAATAAGAAGAAGGGCTTCGGCGCCATGCTGAGATTGG
AAAGAAGAAAGAGGATAAGGGTGAAAGGCTGAGCAGAAAGGTACTCTGAAACATGGTGGCCTGAGAGAA
GAAGAGCTGGAGAAAAATGAAAGAAGAGCGTGAAGGATTGGAGCAAAACATCAGGAGCTAAGGGAAAAGC
AGGCAAGAGGTCTTCTTGATTATGCTACTGGTGAATTGGATCAGTGTATGATATGGATGATGATGAAAT
GGACCCCAATTATGCCAGAGTGAACCACTTTCCGGAACCATGCACATCAGCAATGTCTTTAGATCTCCA
TCTCCCCCTCGAGCTGGACATTGGTTACCTCGGGATGGCCATCCACTGTCTCCAGAAAGAGACCACT
TAGAGGCTCTCTATGCCAAGGTCAACAAGCCATACCATCCACTGGTTCAGCTGACAGTGGCCGCTCTAC
GGGTGGAAGCACTGACCGTATCCAGAAGTTGCGGAAAGAGTATTATCAGGCTCGGAGGGAAGGTTTCCCT
TTATATGAAGACGACGAAGGAAGAGCAAGGCCATCTGAGTATGACCTACTCTGGGTGCCTGGAAGGGGTC
CAGATGGGAATGCACACAACCTCCGCTTTGAAGGATGGAGAGGCAGTACGCATCCTTACCAGGGGAGG
ACCCGAGATCCTGTAGACTATCTGCCAGCAGCACCTCGGGGCTCTACAAGGAAAGGGAGCTTCCCTAT
TATCCAGGGGCTCATCCTATGCACCTCCCAAAGGGAGCTATCCCGCCCCACAGAGCTCAGGGTGGCAG
ATCTCCGGTATCCTCAGCACTACCCACCCCGCCAGCTCCCGAGCACAAGGACCCCTTCGACAAGACGT
TCCGCCTTCCCCTCCCAGCACCAAGAATGCCAGCCTATCAGGAAACAGGCAGACCAGGGCCCCGTGGG
GGCAGCCCAGACCAGTACCCTTACCGAACCCAGGATTCCCGCAGAAGAACCCCATGACTGCAGCCGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214310 representing NM_152526

Red=Cloning site Green=Tags(s)

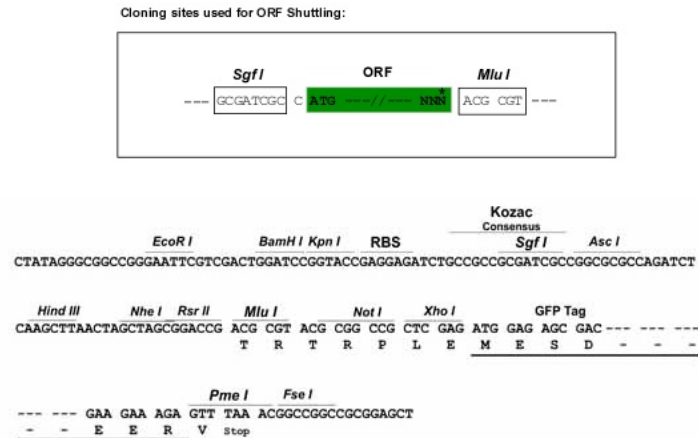
MKVTVCFGRGTIVVPCKEQLRVGELTQQALQRYLKTREKPGYWVKIHHLEYTDGGILDPPDVLADVVE
DKDKLIAVFEEQEPLHKIESPSGNPADRQSPDAFETEVAQAALAFKPIGGEIEVTPSALKLGTPLLVRRS
SDPVPGPADTQPSASHPGGQSLKLVVPDSTQNLEDREVLNGVQTELLTSPRTKDTLSDMTRTVEISGEG
GPLGIHVVPFFSSLSGRILGLFIRGIEDNSRSKREGLFHENEIVKINNVDLVKDTFAQAQDVFRQAMKS
PSVLLHVLPPQNRQYKESVIGSLNIFGNNDGVLKTKVPPPVHGSGLKTANLTGTDSPETDASASLQQN
KSPRPVRLGGKPPSPSLPLMGFGSNKNAKKIKIDLKKGPEGLGFTVVTRDSSIHGPGPIFVKNILPKGA
AIKDGRLQSGDRILEVNGRDVTGRTQEELVAMLRSTKQGETASLVIARQEGHFLPRELDGRLRMNDQLIA
VNGESLLGKSNHEAMETLRRSMSMEGNIRGMIQLVILRRPERPMEDPAECGAFSKPCFENCQNAVTTSSR
NDNSILHPLGTCSPQDKQKGLLLPNDGWAEEVPPSPTPHSALGLLEDYSHSSGVDSAVYFPDQHINFR
SVTPARQPESINLKASKSMDLVPDESKVHSLAGQKSESPSKDFGPTLGLKSSSLESQTAVAEVRKNDL
PFHRPRPHMVRGRGCNESFRAAIDKSYDGPEEIEADGLSDKSSHSGQALNCEAPQGNSELEDMENKAR
KVYKTKKEKKKKKGKGLKVKEKKRKEENEDPERIKKKGFAMLRFGKKKEDKGKAEQKGTLLKHGGLRE
EELKMKKEERERIGAKHQELREKQARGLLDYATGAIGSVYDMDDDEMDPNYARVNHFREPCTSANVFRSP
SPPRAGPFGYPRDGHPLSPERDHLGLYAKVNKPYHPLVPADSGRPTGGSTDRIQKLKREYQARREGFP
LYEDDEGRARPSEYDLLWVPGRGPDGNHNLRFEGMERQYASLPRGGPADPVDYLPAPRGLYKERELPY
YPGAHPMHPKGSYPRPTELRVADLRYPQHYPPPPAPQHKGPFRQDVPPSPQHQRMPAYQETGRPGPRG
GSPDQYYPYRTQDSRQKNPMTAAV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_152526

ORF Size: 3429 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_152526.6

RefSeq Size: 3639 bp

RefSeq ORF: 3432 bp

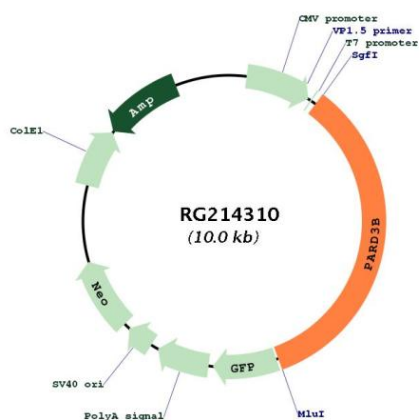
Locus ID: 117583

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 RG214310