

Product datasheet for **RG230689**

PARD3 (NM_001184789) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARD3 (NM_001184789) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PARD3
Synonyms:	ASIP; Baz; PAR3; PAR3alpha; PARD-3; PARD3A; PPP1R118; SE2-5L16; SE2-5L1T1; SE2-5T2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230689 representing NM_001184789 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGTGACCGTGTGCTTCGGACGGACCCGGGTGGTCGTGCCGTGCGGGGACGGCCACATGAAAGTTT
TCAGCCTCATCCAGCAGGCGGTGACCCGCTACCGGAAGGCCATCGCCAAGGATCCAACTACTGGATACA
GGTGCATCGTTGGAACATGGAGATGGAGGAATACTAGACCTTGATGACATTCTTTGTGATGTAGCAGAC
GATAAAGACAGACTGGTAGCAGTGTGGATGAGCAGGATCCACATCACGGAGGTGATGGCACCAGTGCCA
GTTCCACGGGTACCCAGAGCCCAGAGATATTTGGTAGTGAGCTTGGCACCAACAATGTCTCAGCCTTTCA
GCCTTACCAAGCAACAAGTAAAATTGAGGTCACACCTTCAGTCCTTCGAGCAAATATGCCTTTCATGTT
CGACGCAGTAGTGACCCAGCTCTAATTGGCCTCTCCACTTCTGTGAGTATAGTAATTTTTCTCTGAAAG
AGCCTTCAAGGAAAAATCCCACACGCTGGTCAACAACAGCTGGCTTCTCAAGCAGAACACTGCTGGGAG
TCCTAAAACCTGCGACAGGAAGAAAGATGAAAACACAGAACCTCCCGCGGGATACTAGTAAGTGGTCT
AACCAATTTAGAGAGACAATGCTCGCTCGTCTGAGTGCCAGTCACCAATGGTGGGCAAGTGGCTGG
AGAAACAAGAACAGGATGAGGATGGGACAGAAGAGGATAACAGTCGTGTTGAACCTGTTGGACATGCTGA
CACGGGTTTGGAGCATATACCAACTTTTCTCTGGATGATATGGTAAAGCTCGTAGAAGTCCCAACGAT
GGAGGGCTCTGGGAATCCATGTAGTGCCTTTTCAGTGCTCGAGGGCGCAGAACCTGGGGTTATTAGTAA
AACGATTGGAGAAAGGTGTAAGCTGAACATGAAAATCTTTTTCTGAGAAATGATTGCATTGTCAGGAT
TAATGATGGCGACCTTCGAAATAGAAGATTTGAACAAGCACAACATATGTTTCGCCAAGCCATGCGTACA
CCCATCATTTGGTTCCATGTGGTTCCTGCAGCAAATAAGAGCAGTATGAACAACATCCCAAAGTGAAG
AGAACAATTACTATTCAAGCCGTTTTAGCCCTGACAGCCAGTATATTGACAACAGGAGTGTGAACAGTGC
AGGGCTTCACACGGTGCAGAGAGCACCCCGACTGAACCACCCGCTGAGCAGATAGACTCTCACTCAAGA
CTACCTCATAGCGCACACCCCTCGGAAAACCACCATCCGCTCCAGCCTCGGCACCTCAGAATGTATTTA
GTACGACTGTAAGCAGTGGTTATAACACCAAAAAAATAGGCAAGAGGCTTAATATCCAGCTTAAGAAAGG
TACAGAAGGTTTGGGATTCAGCATCACTCCAGAGATGTAACAATAGGTGGCTCAGTCCAATCTATGTG



[View online >](#)

AAAAACATTCTCCCCGGGGGGCGGCCATTTCAGGATGGCCGACTTAAGGCAGGAGACAGACTTATAGAGG
TAAATGGAGTAGATTTAGTGGGCAAATCCCAAGAGGAAGTTGTTTCGCTGTTGAGAAGCACCAAGATGGA
AGGAACTGTGAGCCTTCTGGTCTTTTCGCCAGGAAGACGCCTTCCACCCAAGGAACTGAAAGCAGAAGAT
GAGGATATTGTTCTTACACCTGATGGCACCAGGGAATTTCTGACATTTGAAGTCCCCTTAATGATTCAG
GATCTGCAGGCCCTGGTGTCAAGGTAAACCGTCAAAAGAGAACCACGCAGATTTGGGAATCTT
TGTC AAGTCCATTATTAATGGAGGAGCAGCATCTAAAGATGGAAGGCTTCGGGTGAATGATCAACTGATA
GCAGTAAATGGAGAATCCCTGTTGGCAAGACAAACCAAGATGCCATGGAACCCTAAGAAGGTCTATGT
CTACTGAAGGCAATAAACGAGGAATGATCCAGCTTATTGTTGCAAGGAGAATAAGCAAGTCAATGAGCT
GAAGTCACTGGGAGCCCCCTGGACCTGAGCTGCCATTGAAACAGCGTTGGATGATAGAGAACGAAGA
ATTTCCCATTCCTCTACAGTGGGATTGAGGGCTTGATGAATCGCCAGCAGAAATGCTGCCCTCAGTA
GGATAATGGGTAAATACCAGCTGTCCCCTACAGTGAATATGCCCAAGATGACTGTCTTATAGAAGA
TGACAGGTTGCCAGTCTTCTCCACATCTCTGACCAGTCTTCCAGCTCCATGATGATGTGGG
TTTGTGACGCAGATGCTGGTACTTGGCCAAGGCTGCAATCAGTGATTCAGCCGACTGCTTTGAGTC
CAGATGTTGATCCAGTCTTCTGTTTTCAACGAGAAGGATTTGGACGTGATAGCTGACGAGACTAACT
CAATACAGTGGATGACCAGAAAGCAGGTTCTCCAGCAGAGATGTGGTCTTCCCTGGGTGTAAGAAG
TCAAGCTCGTTGGAGAGTCTGCAGACCCGAGTTGCCGAGGTGACTTTGAATGGGGATATTCTTTCCATC
GTCCACGCGCCGGATAATCAGAGGCAGGGATGCAATGAGAGCTTCAGAGCTGCCATCGACAAATCTTA
TGATAAACCCGCGGTAGATGATGATGAAGGCATGGAGACCTTGAAGAAGACACAGAAGAAAGTTCA
AGATCAGGGAGAGAGTCTGTATCCACAGCCAGTGATCAGCCTTCCCCTCTCTGGAGAGACAAATGAATG
GAAACCAAGAGAAAGGTGATAAGACTGATAGAAAAAGGATAAACTGGAAAAGAAAAGAAGAAAGATAG
AGATAAGGAGAAGGATAAAATGAAAGCCAAGAAGGAAATGCTGAAGGGCTTGGGAGACATGTTCCAGGATT
CAAGCCAAAACTCGAGAATTTAGGGAACGACAAGCTCGAGAGCGTACTATGCTGAAATTCAGATTTTC
ATCGACATTTGGCTGTGATGATGAGTTAATGTATGGGGAGTTTCTTCTTATGAAGTTCCATGGCTCT
CAACGCTAGACCTCAGAGCCACGAGAAGGCATATGATGGATGCTTTGTATGCCCAAGTCAAGAAGCCG
CGGAATTCAAAACCTCACCTGTAGACAGTAACAGATCAACTCCTAGCAATCATGATCGGATACAGCGTC
TGAGGCAAGAATTTAGCAAGCAAGCAAGATGAAGATGTAGAAGATCGTCGGCGGACCTATAGTTTTGA
GCAACCTTGGCCGAACGCACGGCCGGCAGCAGAGCGGGCGACACTCGGTGTCCGTGGAGGTGCAGATG
CAGCGGCAGCGCAGGAGGAGCGCAGAGCTCCCAGCAGGCCAGCGCCAGTACAGCTCTCTGCCTCGGC
AAAGCAGGAAAAATGCCAGCTCGGTCTCCAGGACTCTTGGGAGCAGAACTACTCCCTGGGGAAGGCTT
CCAGAGTGCCAAAGAGAACCCAGTACTCCAGTACCAAGGCTCCAGGAACGGCTACCTGGGAGGACAT
GGCTTCAACGCCAGGGTCTGCTGGAACTCAGGAGCTCCTTCGCCAGGAACAGAGCGGGAAGGAGCAGC
AGATGAAGAAGCAGCCTCCTTCCGAGGGGCCAGCAACTATGACTCGTATAAGAAAGTCCAGGACCCAG
TTACGCCCTCCCAAGGGGCCCTTCCGGCAAGATGTGCCCCCTCCCCTTCTCAGGTTGCGAGGCTGAAC
AGACTTCAGACTCCTGAGAAAGGGAGGCCCTTCTATTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230689 representing NM_001184789
 Red=Cloning site Green=Tags(s)

MKVTVCFGRTRVVVPCGDGHMKVFSLIQQAVTRYRKAIAKDPNYWIQVHRLEHGDGGILDLDLDDILCDVAD
 DKDRLVAVFDEQDPHHGGDGTSASTGTQSPFI FGSELGTNNVSAFQPYQATSEIEVTPSVLRANMPLHV
 RRSDDPALIGLSTSVSDSNFSSEEPSRKNPTRWSTTAGFLKQNTAGSPKTCDRKKDENYRSLPRDTSNWS
 NQFQRDNARSSLASHPMVKGWLEKQEDEDGTEEDNSRVEPVGHADTGLEHIPNFSLDDMVKLVEVPND
 GGPLGIHVVPFSARGGRTLGLLVKRLEKGGKAEHENLFRENDCIVRINDGDLRNRFEQAQHMFRQAMRT
 PIIFWVHVPAAANKEQYEQLSQSEKNYYSSRSPDSQYIDNRSVNSAGLHTVQRAPRLNHPPEQIDSHSR
 LPHSAHPSGKPPSAPASAPQNVFSTTVSSGYNTKKIGKRLNIQLKKGTEGLGFSITSRDVTIGGSAPIYV
 KNILPRGAAIQDGRKAGDRLIEVNGVDLVGKSQEEVVSLLRSTKMEGTVSLLVFRQEDAFHPRELKAE
 EDIVLTPDGTREFLTFEVLNDSGSAGLVSVKGNRSKENHADLGFVKSIIINGGAASKDGRLRVNDQLI
 AVNGESLLGKTNQDAMETLRRSMSTEGNKRMIQLIVARRISKCNELKSPGSPGPELPIETALDDRERR
 ISHSLYSIEGLDESPSRNAALSRIMGKYQLSPTVNMPQDDTVIIEDRLPVLPHLSDQSSSSSHDDVG
 FVTADAGTWAKAAISDSADCSLSPDVPVLAFAQREGFGRQIADETKLNTVDDQKAGSPSRDVGPSLGLKK
 SSSLESLQTAVAEVTLNGDIPFHRPRPRIIRGRGCNESFRAAIDKSYDKPAVDDDEGMTELEEDTEESS
 RSGRESVSTASDQPSHSLERQMNGNQEKGDKTDRKKDKTGKEKKKDRDKEKDKMKAKKGMMLKGLGDMFRI
 QAKTREFRERQARERDYAEIQDFHRTFGCDELMYGGVSSYEGSMALNARPQSPREGHMDALYAQVKKP
 RNSKPSVPDSNRSTPSNHDIRQLRQEFQAKQDEDEDVDRRTYSFEQPWPNARPATQSGRHSVSVVEVQM
 QRQRQEERESSQQAQRQYSSLPQRSKNASSVSQDSWEQNYSPGEGFQSAKENPRYSSYQGSRNLYLGGH
 GFNARVMLETQELLRQEQRKEQQMKQPPSEGPSNYDSYKKVQDPSYAPPKGPFRQDVPSPSPQVARLN
 RLQTPEKGRPFYS

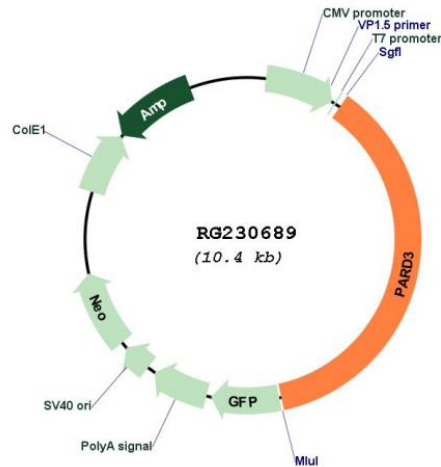
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001184789

ORF Size: 3819 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_001184789.1](#), [NP_001171718.1](#)

RefSeq Size: 5764 bp

RefSeq ORF: 3822 bp

Locus ID: 56288

UniProt ID: [Q8TEW0](#)

Cytogenetics: 10p11.22-p11.21

Protein Pathways: Adherens junction, Chemokine signaling pathway, Endocytosis, Neuroactive ligand-receptor interaction, Tight junction

Gene Summary: This gene encodes a member of the PARD protein family. PARD family members interact with other PARD family members and other proteins; they affect asymmetrical cell division and direct polarized cell growth. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2011]