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Product datasheet for SC308839

PARD3 (NM_019619) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARD3 (NM_019619) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARD3
Synonyms:	ASIP; Baz; PAR3; PAR3alpha; PARD-3; PARD3A; PPP1R118; SE2-5L16; SE2-5LT1; SE2-5T2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC308839 representing NM_019619.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAGTGACCGTGTGCTTCGGACGGACCCGGGTGGTCGTGCCGTGCGGGGACGGCCACATGAAAGTT
TTCAGCCTCATCCAGCAGGCGGTGACCCGCTACCGGAAGGCCATCGCCAAGGATCCAAACTACTGGATA
CAGGTGCATCGCTTGGAACATGGAGATGGAGGAATACTAGACCTTGATGACATTCTTTGTGATGTAGCA
GACGATAAAGACAGACTGGTAGCAGTGTTTGATGAGCAGGATCCACATCACGGAGGTGATGGCACCAGT
GCCAGTTCCACGGGTACCCAGAGCCCAGAGATATTTGGTAGTGAGCTTGGCACCAACAATGTCTCAGCC
TTTCAGCCTTACCAAGCAACAAGTGAAATTGAGGTCACACCTTCAGTCCTTCGAGCAAATATGCCTCTT
CATGTTCGACGCAGTAGTGACCCAGCTCTAATTGGCCTCTCCACTTCTGTCAGTGATAGTAATTTTTCC
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AACTGGTCTAACCAATTTCAGAGAGACAATGCTCGCTCGTCTCTGAGTGCCAGTCACCCAATGGTGGGC
AAGTGGCTGGAGAAACAAGAACAGGATGAGGATGGGACAGAAGAGGATAACAGTCGTGTTGAACCTGTT
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CAAGCCATGCGTACACCCATCATTTGGTTCCATGTGGTTCCTGCAGCAAATAAAGAGCAGTATGAACAA
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AGGAGTGTGAACAGTGCAGGGCTTCACACGGTGCAGAGAGCACCCCGACTGAACCACCCGCCTGAGCAG
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GGCTCAGCTCCAATCTATGTGAAAAACATTCTCCCCCGGGGGGCGGCCATTCAGGATGGCCGACTTAAG

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GCAGGAGACAGACTTATAGAGGTAAATGGAGTAGATTTAGTGGGCAAATCCCAAGAGGAAGTTGTTTCG
CTGTTGAGAAGCACCAAGATGGAAGGAACTGTGAGCCTTCTGGTCTTTCGCCAGGAAGACGCCTTCCAC
CCAAGGGAACTGAATGCAGAGCCAAGCCAGATGCAGATTCCAAAAGAAACGAAAGCAGAAGATGAGGAT
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AGCAGAGATGTGGGTCCTTCCCTGGGTCTGAAGAAGTCAAGCTCGTTGGAGAGTCTGCAGACCGCAGTT
GCCGAGGTGACTTTGAATGGGGATATTCCTTTCCATCGTCCACGGCCGCGGATAATCAGAGGCAGGGGA
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AAGAAGGGAATGCTGAAGGGCTTGGGAGACATGTTCAGGTTTGGCAAACATCGAAAAGATGACAAGATT
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GAAATTCAAGATTTTCATCGGACATTTGGCTGTGATGATGAGTTAATGTATGGGGGAGTTTCTTCTTAT
GAAGGTTCCATGGCTCTCAACGCTAGACCTCAGAGCCCACGAGAAGGGCATATGATGGATGCTTTGTAT
GCCCAAGTCAAGAAGCCGCGGAATTCCAAACCCTCACCTGTAGACAGTAACAGATCAACTCCTAGCAAT
CATGATCGGATACAGCGTCTGAGGCAAGAATTTCAGCAAGCAAAGCAAGATGAAGATGTAGAAGATCGT
CGGCGGACCTATAGTTTTGAGCAACCCTGGCCGAACGCACGGCCGGCGACGCAGAGCGGGCGACACTCG
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CAGTACAGCTCTCTGCCTCGGCAAAGCAGGAAAAATGCCAGCTCGGTCTCCCAGGACTCTTGGGAGCAG
AACTACTCCCCTGGGGAAGGCTTCCAGAGTGCCAAAGAGAACCCCAGGTACTCCAGCTACCAAGGCTCC
AGGAACGGCTACCTGGGAGGACATGGCTTCAACGCCAGGGTCATGCTGGAAACTCAGGAGCTCCTTCGC
CAGGAACAGAGGCGGAAGGAGCAGCAGATGAAGAAGCAGCCTCCTTCCGAGGGGCCCAGCAACTATGAC
TCGTATAAGAAAGTCCAGGACCCCAGTTACGCCCCTCCCAAGGGGCCCTTCCGGCAAGATGTGCCCCCC
TCCCCTTCTCAGGTTGCGAGGCTGAACAGACTTCAGACTCCTGAGAAAGGGAGGCCCTTCTATTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:

ACCN: NM_019619

Insert Size: 4071 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_019619.3
RefSeq Size:	6013 bp
RefSeq ORF:	4071 bp
Locus ID:	56288
UniProt ID:	Q8TEW0
Cytogenetics:	10p11.22-p11.21
Domains:	PDZ
Protein Pathways:	Adherens junction, Chemokine signaling pathway, Endocytosis, Neuroactive ligand-receptor interaction, Tight junction
MW:	151.4 kDa
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] Transcript Variant: This variant (1) represents the longest transcript and it encodes the longest protein (isoform 1). This variant has also been called 'variant a'. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.