

Product datasheet for **SC124076**

PAR6 (PARD6A) (NM_016948) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAR6 (PARD6A) (NM_016948) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAR6
Synonyms:	PAR-6A; PAR6; PAR6alpha; PAR6C; TAX40; TIP-40
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016948, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCGGCCGAGAGGACTCCGGCGCGCAGTCCCGATAGCATCGTCGAGGTGAAGAGCAAATTTGACG
CCGAGTTCGACGCTTCGCGCTGCCTCGCGCTTCGGTGAAGCGGCTTCCAGGAGTTCTCGCGGTTGCTGCG
GGCGGTGCACCAGATCCCGGGCCTGGACGTGCTACTTGGCTATACGGATGCTCATGGCGACCTGCTGCC
CTACCAACGACGACAGCCTGCACCGGGCCCTGGCCAGCGGGCCCCGCCACTGCGCCTACTGGTGCAGA
AGCGGGCAGAAGCTGACTCCAGCGGCTGGCTTTGCCTCCAACCTCTCTGCAGCGCGCAAGAAAGGGCT
CTTGCTGCGGCCAGTGGACCCCTGCGCACCCGGCCACCCTTGCTAATCAGCCTGCCCAAGATTTCCG
CAGTTTTCTCAGTCATAGACGTGGACCTACTGCCTGAGACCCACCGACGGGTGCGGCTGCACAAGCATG
GTTGAGACCGCCCTGGGCTTCTACATCCGAGATGGCATGAGCGTGCGTGTGGCTCCCCAGGGCCTGGA
GCGGGTCCAGGAATCTTCATCTCCCGCCTGGTACGTGGGGTCTGGCTGAGAGTACAGGGCTGCTGGCG
GTCAGTGATGAGATCCTCGAGGTCAATGGCATTGAAGTAGCCGGGAAGACCTTGGACCAAGTGACGGACA
TGATGGTTGCCAACAGCCATAACCTCATTGTCACTGTCAAGCCCGCCAACCAGCGCAATAACGTGGTGG
AGGGGCATCTGGGCGTTTGACAGGTCTCCCTCTGCAGGGCCTGGGCTGCTGAGCCTGATAGTGACGAT
GACAGCAGTGACCTGGTCATTGAGAACCAGCCAGCCTCCAGTTCGAATGGGCTGTCTCAGGGCCCCCGT
GCTGGGACCTGCACCCTGGTGCCGACATCCTGGTACCCGAGCTCTCTGCCCTCCCTGGATGACCAGGA
GCAGGCCAGTTCTGGCTGGGGGAGTCGCATTCGAGGAGATGGTAGTGGCTTCAGCCTCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016948 unedited CTTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGCCGGCGCGCAGTCC CGATAGCATCGTCGAGGTGAAGAGCAAATTTGACGCCGAGTTCGACGCTTCGCGCTGCC TCGCGCTTCGGTGAGCGGCTTCCAGGAGTTCTCGCGGTTGCTGCGGGCGGTGCACCAGAT CCCGGGCTGGACGTGCTACTTGGCTATACGGATGCTCATGGCGACCTGCTGCCCTCAC CAACGACGACAGCCTGCACCGGGCCCTGGCCAGCGGGCCCCGCCACTGCGCCTACTGGT GCAGAAGCGGGAAGCTGACTCCAGCGCCTGGCTTTTGCCTCCAACCTCTGACGCGGGC CAAGAAAGGGCTTTGCTGCGGCCAGTGGCACCCCTGCGCACCCGCCACCCTTGCTAAT CAGCCTGCCCAAGATTTCCGCCAGTTTCTCAGTCATAGACGTGGACCTACTGCCTGA GACCCACCGACGGGTGCGGCTGCACAAGCATGGTTCAGACCGCCCCCTGGGCTTCTACAT CCGAGATGGCATGAGCGTGCCTGGCTCCCCAGGGCCTGGAGCGGGTTCAGGAATCTT CATCTCCCGCCTGGTACGTGNGGGTCTGGCTGAGAGTACAGGGCTGCTGGCGGTGAGTGA TGATCCTCAGGTCAATGGCATGAAGTAGCCGGAAGACCTGACCAGTACGACATGATG TGCCACAGCCTAACCTCATGTACTGTAAGCNCGCCACCAGCGCATACGTGGTGCAGGGC ATCTGGCGTTGAAGTCTCCTTGACGCTGCCGG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016948 unedited TGTTTCCGTTTGGATAANGACTGTGAGAGGCTGAAGCCACTACCATCTCCTCGAATGCGA CTCCCCAGCCAGAAGTGGCCTGCTCCTGGTTCATCCAGGGAGGGCAGAGAGCTGCGGGTA CCAGGATGTCGGCAGCCAGGGTGCAGGTCCAGCACGGGGGCCCTGAGACAGCCATTG GAACTGGGAGGCTGGCGTTCTCAATGACCAGGTACTGCTGTCATCGTCACTATCAGGC TCAGCAGGCCAGGCCCTGCAGAGGGAGGACCTGTCAAACGCCAGATGCCCTCGCACC ACGTTATTGCGCTGGTTGGCGGCTTGACAGTGACAATGAGGTTATGGCTTTGGCAACC ATCATGTCGTCACTTGGTCCAAGGTCTTCCCGCTACTTCAATGCCATTGACCTCGAGG ATCTCATCACTGACCGCCAGCAGCCCTGTACTCTCAGCCAGACCCCCACGTACCAGGCGG GAGATGAAGATTCTGGAACCCGCTCCAGGCCCTGGGGAGCCACACGCACGCTCATGCCA TCTCGGATGTAGAAGCCAGGGGCGGTCTGAACCATGCTTGTGCAGCCGACCCGTCGG TGGGTCTCAGGCAGTAGGTCCACGTCTATGACTGAGGAAACCTGGCGGAAATCTTGGGGC ANGCTGATTAGCAAGGGTGGCCGGGTGCCAGGGGTGCCACTGCCCGCAGCAAGAGCCCT TTCTTGCGCCGGTCAAAGAAGTGAAGCAAAAACCCGCCGCTTGATTN
Restriction Sites:	Please inquire
ACCN:	NM_016948
Insert Size:	1200 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).
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:	<ol style="list-style-type: none"> 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_016948.1 , NP_058644.1
RefSeq Size:	1269 bp
RefSeq ORF:	1041 bp
Locus ID:	50855
UniProt ID:	Q9NPB6
Cytogenetics:	16q22.1
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Endocytosis, Tight junction
Gene Summary:	<p>This gene is a member of the PAR6 family and encodes a protein with a PSD95/Disc-large/ZO1 (PDZ) domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cell membrane protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex. The protein also has a role in the epithelial-to-mesenchymal transition (EMT) that characterizes the invasive phenotype associated with metastatic carcinomas. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>