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Product datasheet for SC323845

PARG (NM_003631) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARG (NM_003631) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARG
Synonyms:	PARG99
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_003631.2
AAGCGGCGCATTGAGGCAGGTGGGGTGCCAGTGGAAGAGGGAAGGCAGGCGAGTGTTTAC
GGCCTGACTTGGGAGGCCGGCGGATCAGCAATTGCAGAAGCAGGCAGCGGCAGAGAGGGA
ATGGTGCAGGCAGGCGCTGAGAAGGAGGCGCAGTCCATCTCTCTCAGGGTTAGTGAATGA
GGCTCTCCGCCCGGGCCGGCCCGGGGACAGTGCGCTGCTGGTCCCAGCATGAATGCGGGC
CCCGGCTGTGAACCCTGCACCAAGCGACCCCGCTGGGGCGCCGCTACAACTTCGCCGGCT
GCTTCGGACGCCCGGAGCTTTCCCAGCAGGCAGAGGCGCGTCCTCGACCCCAAGGACGCT
CACGTGCAGTTCAGGGTCCCACCGTCCTCGCCAGCCTGCGTCCCAGGGCGGGCGGGACAG
CACAGAGGCAGCGCCACCTCGCTTGTTTTCAAACAAAAGACTATTACCAGTTGGATGGAC
ACTAAAGGAATCAAGACAGCGGAATCAGAAAGTTTGGATAGTAAAGAAAACAACAATACA
AGAATAGAATCCATGATGAGTTCTGTACAAAAAGATAACTTTTACCAACATAATGTAGAA
AAATTAGAAAATGTTTCTCAGCTAAGTCTTGATAAGTCACCCACTGAAAAAAGTACACAG
TATTTGAACCAGCATCAGACTGCAGCAATGTGTAAGTGGCAAAATGAAGGGAAACACACG
GAGCAGCTTTTGGAAAGTGAACCTCAAACAGTAACCCTGGTACCAGAGCAGTTTAGTAAT
GCTAACATTGATCGGTCACCTCAAAATGATGATCACAGTGACACAGATAGTGAAGAGAAT
AGAGACAATCAACAGTTTCTCACAACTGTAAAGCTTGCAAATGCAAAGCAGACTACAGAA
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GAAAGTTGCCTAGGAAATTCTCCTCCATTTGAGAAGGAAAGTGAACCCGAGTCACCGATG
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GGTTTTGATGAACAAGAAGATGGTAGTTCCTCCCAAACAGCAAATAAACCTTCAAGGTTC
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AAAAAGGATTCTAAAATCACAGATCATTTCATGAGACTGCCCAAAGCAGAGGACAGAAGA
AAAGAACAGTGGGAAACCAAACATCAAAGAACAGAAAGGAAGATCCCTAAATACGTTCCA

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CCTCACCTTTCTCCAGATAAGAAGTGGCTTGGAACTCCCATTGAGGAGATGAGAAGAATG
CCTCGGTGTGGGATCCGGCTGCCTCTCTTGAGACCATCTGCCAATCACACAGTAACTATT
CGGGTAGATCTTTTGCGAGCAGGAGAAGTTCCTAAACCTTTTCCAACACATTATAAAGAT
TTGTGGGATAACAAGCATGTTAAAATGCCTTGTTCAGAACAAAATTTGTACCCAGTGGAA
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ATACAGATATTGGCAGCTGCTGCAGCTGAGCGAGATGTGGTTTATTTCACCTTTGGGGAC
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GAGACCGCTGACCATTCAGGGCAAAGGACAGGGACCTGAGGAGCCGAGCGAATAGCATCT
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ATGGTTTGTCTGTCTTTTTTCCTCTGATCAGTATTTTTTTATACCAGTTTTGGAGACTGG
CTGAGATGAAAGGAAATGTGGAATAAAAGGAGGTTTTCCTGATGTGGTGTAAAGAAAACA
GATTCAAGAGAATTGAAGATTTTTTTTGTTTCTTGGTACTTTTTTCTTTTTAAATTAGGA
CTAATGTTTCTTTTGTGGTGCTTGAGGCATATTCATATAACCAAAGTTTGAGAACTGGGA
ACTTCATGCTGATTTGTACATATTGAAGTTTCTCTGGTATTCAAAGGTTATATAGTGAAT
GAATTTTCATTAATAAATCACTTTGTCAGAAACTCCCATATCATCTATATTTTATATATG
TATATATAAACGTATGCTCTTTAAGTGTGTCTATATGTGAGCACATAAAATCTAAATAAA
ATTGGACTGGTGGGAAACAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_003631

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_003631.2, NP_003622.2
RefSeq Size:	4276 bp
RefSeq ORF:	2931 bp
Locus ID:	8505
UniProt ID:	Q86W56
Cytogenetics:	10q11.23
Domains:	PARG
Gene Summary:	Poly(ADP-ribose) glycohydrolase (PARG) is the major enzyme responsible for the catabolism of poly(ADP-ribose), a reversible covalent-modifier of chromosomal proteins. The protein is found in many tissues and may be subject to proteolysis generating smaller, active products. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015] Transcript Variant: This variant (1) encodes the longest isoform (a).