

Product datasheet for **RG208530**

PARG (NM_003631) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARG (NM_003631) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PARG
Synonyms:	PARG99
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208530 representing NM_003631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGCGGGCCCCGGCTGTGAACCTGCACCAAGCAGCCCGCTGGGGCGCCGCTACAACCTCGCCGG
 CTGCTTCGGACGCCCGGAGCTTTCCAGCAGGCAGAGGCGGTCTCGACCCCAAGGACGCTCACGTGCA
 GTTCAGGGTCCCACCGTCTCGCCAGCCTGCGTCCCAGGGCGGGCGGACAGCACAGAGGACGCGCCACC
 TCGCTTGTTCACAAACAAAAGACTATTACCAGTTGGATGGACACTAAAGGAATCAAGACAGCGGAATCAG
 AAAGTTTGGATAGTAAAGAAAACAACAACAAGAATAGAATCCATGATGAGTTCTGTACAAAAGATAA
 CTTTTACCAACATAATGTAGAAAAATTAGAAAAATGTTTCTCAGCTAAGTCTTGATAAGTCACCCACTGAA
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 TTGACTAGACAAGAAAGTTGCCTAGGAAATTCCTCCATTTGAGAAGGAAAGTGAACCCGAGTCACCGA
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 GCCAGTCTTTTAGCTAATGCTTTCTTCTGCACATTTCCACGACGAAATGCTAAGATGAAATCGGAGTATT
 CTAGTTACCCAGACATTAACCTTCAATCGATTGTTTGGGGACGTTTCATCAAGGAAACCGGAGAACTTAA
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 GATACTACAATGAAGAATGCAGAACTGTTCCACCCTGGACCAGACATCAAGCTTTATCCATTCATATA
 CCATGCTGTCGAGTCTGTGTCAGAGACCGCTGACCATTACAGGGCAAAGGACAGGGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208530 representing NM_003631
 Red=Cloning site Green=Tags(s)

MNAGPGCEPCTKRPRWGAATTSPAASDARSFPSRQRRVLDPKDAHVQFRVPPSSPACVPGRAGQHRGSAT
 SLVFKQKTIITSWMDTKGIKTAESESLDSKENNNTRIESMMSSVQKDNFYQHNVKLENVSQLSLDKSPT
 KSTOYLNQHQTAAMCKWQNEGKHTEQLLESEPQTVTLVPEQFSNANIDRSPQNDHSDTDSEENRDNQOF
 LTTVKLANAKQTTEDEQAREAKSHQKCSKCDPGEDCASCQQDEIDVVPESPLSDVGSSEVGTGPKNDNK
 LTRQESCLGNSPPFEKESEPESPMDVDNSKNSCQDSEADEETSPGFDEQEDGSSSQTANKPSRFQARDAD
 IEFKRKRYSTKGGVRLHFQFEGGESRTGMNDLNAKLPNGISSLNVECRNSKQHGKDKSKITDHFMRPKA
 EDRRKEQWETKHQRTERKIPKYVPHLSPDKKWLGTPIEMRRMPCGIRLPLLRPSANHTVTIRVDLLR
 AGEVPPKPFPHYKDLWDNKHVKMPCSEQLNYPVEDENGERTAGSRWELIQTALLNKFRPQNLKDAILKY
 NVAYSKKWDFALIDFWDKVLEEAQAHLYSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEIQI
 ASLLANAFCTFPRRNAKMKSEYSSYPDINFNRLFEGRSSRKPEKLTLCYFRRVTEKKPTGLVTFTRQ
 SLEDFPEWERCEKPLTRLHVTYEGTIEENGQGMQLQVDFANRFVGGVTSAGLVQEEIRFLINPELIIISRL
 FTEVLDHNECLIIITGTEQYSEYTYAETRWRSRSHEDGSRDDWQRRCTEIVAIDALHFRYLDQFVPEK
 MRRELNKAYCGFLRPGVSSENLSAVATGNWCGCAFGGDARLKALIQILAAAAAERDVVYFTFGDSELMRD
 IYSMHIFLTERKLTVDVYKLLLRYYNEECRNCSTPGPDIKLYPFYHAVESCAETADHSGQRTGT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

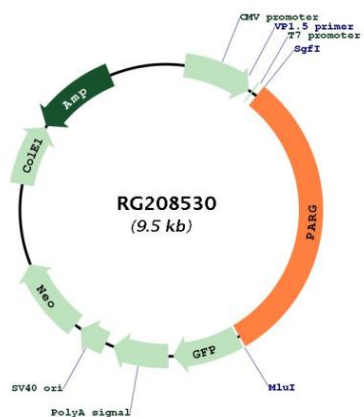


ACCN: NM_003631

ORF Size: 2928 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:	<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_003631.5
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]

Product images:



Circular map for RG208530