

Product datasheet for **MR219292**

Parg (NM_011960) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parg (NM_011960) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Parg
Synonyms:	AI413217
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR219292 representing NM_011960
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGGCGGCCCGCTGGGAGCCCTGCACGAAGCGGCCCGCTGGGGCGCCGCTGGAACCTCTGCGC
 CGACTGCCTCGGACTCCCGGAGCTTCCCTGGCAGGCAGAGGCGTGTCTCGACCCCAAGGACGCTCCCGT
 CCAGTTACAGGTCCTCCGCTCTCGCCAGCCTGCGTCTCGGGCGGGCGGGACCCGACAGAGGCAACGCC
 ACCTCGTTGTTTTCAAACAAAAGACTATTACTACTTGGATGGATACTAAAGGACCCAAGACAGCTGAAT
 CAGAAAGTAAAGAAAACAACAATAACAAGATTGACTCCATGATGAGTTCTGTGCAGAAAGATAACTTTTA
 CCCACATAAGGTGAAAAATTGAAAAATGTTCTCAGCTAAATCTTGATAAATCACCCACAGAAAAGAGT
 TCACAGTATTTGAACCAACAGCAGACTGCGAGTGTGTGCAAGTGGCAGAATGAAGGAAGCATGCAGAAC
 AGCTTTTGGCAAGTGAGCCTCCCGGGGACTCCGCTACCAAAGCAGCTTAGTAATGCTAACATTGGTCA
 GTCACCCACACTGATGACCACAGTGACACAGATCATGAAGAAGACAGAGACAATCAGCAGTTTCTTACA
 CCTATAAAACTTGCAAAATACAAAGCCAACAGTAGGAGATGGGCAGGCCAGAAAGCAACTGTAAGTGCAGTG
 GATCTCGCCAGTCTGTGAAAGACTGTACAGGCTGTCAACAGGAGGAGGTGGATGTGCTACAGAGAGTCC
 TTTGTCAGATGTTGGTGGCAGGACATTGGAACGGACAAAAAATGACAACAAATTGACTGGACAAGAA
 AGCAGCCTAGGTGATTCGCCTCCATTTGAGAAAGAAAGTGAGCCTGAGTCACCAATGGATGTAGACAAC
 CGAAAAACAGTTGTCAAGATTCAGAAGCAGATGAAGAAACAAGTCCAGTCTTTGATGAGCAAGATGATCG
 TTCCTCCCAAACAGCAATAAACTTTCAAGTTGCCAAGCAAGAGAAGCTGATGGCGATCTTAGGAAACGG
 TATTTGACTAAGGAAGTGAAGTTAGATTGCATTTCCAATTTGAAGGAGAAAATAATGCTGGGACAGTG
 ACTTAAATGCCAAGCCTCTGAAAACCTTCTAGCCTTAATGTAGAGTGTAGAAGTTCCAAGCAGCATGG
 AAAAAAGGATTCTAAAAATTACAGATCATTTTCATGAGAATTTCCAAGTCAGAGGACAGAAGAAAAGAACAA
 TGTGAAGTCAGACATCAAAGAACAGAAAGGAAAGATTCCAAAATACATCCACCTAACCTCCCTCCAGAGA
 AGAAGTGGCTGGGAACTCCTATTGAGGAAATGAGAAAAATGCCTCGGTGTGGATCCATTTGCCTTCCTT
 AAGACCCTGCAAGTCACACAGTGACTGTTGGGTAGACCTTCTGAGAGCAGGAGAGGTTCCGAAACCT
 TTTCCAACACATTACAAAGATTTGTGGGATAACAACATGTGAAAATGCCTTGTTCGGAACAAAACCTTGT
 ACCCTGTGGAAGATGAGAATGGTGAAGCAACTGCAGGGAGTAGGTGGGAGCTCATTGACTGCACCTTCT
 CAACAAATTCACACGACCCAGAACTTGAAGGATGCGATTCTGAAATACAATGTGGCATATTCTAAGAAA
 TGGGACTTTACAGCTTTGGTTGATTTCTGGGATAAGGTACTTGAAGAAGCAGAGGCCAACATTTATATC
 AGTCCATTTTACCTGACATGGTGAATAATGCACCTGTCTGCCAAATATTTGCACCCAGCCAATACCACT
 CCTGAAACAGAAGATGAATCATTCTGTCACGATGTCACAGGAACAGATCGCCAGTCTTTTAGCTAATGCT
 TTCTTCTGCACATTTCCCGACGGAATGCCAAGATGAAATCGGAGTATTCTAGTTACCCAGACATTAAC
 TCAATCGGTTGTTGAAGGACGTTTCATCAAGGAAACCAGAAAACTGAAAACACTCTTCTGCTACTTTTCG
 AAGAGTCACAGAGAAAAACCTACAGGATTTGGTGCATTTACAAGACAGAGTCTTGAAGATTTTCCAGAA
 TGGGAAAGGTGTGAAAAGCCTCTGACACGCTTACACGTCACCTACGAGGGTACCATAGAAGGCAACGGCC
 GAGGCATGCTACAGGTGGATTTTGCAAATCGTTTTGTTGGAGGTGGTGTGACTGGTGGGACTTGTACA
 AGAAGAAATCAGATTTTAAATCAATCCTGAATTGATTGTTTACGGCTGTTCACTGAGGTGCTGGATCAC
 AATGAGTGTCTTATTATCACAGGTAACAGTACAGTGAATACACAGGCTATGCTGAACTTATCGTT
 GGGCCCGAAGCCATGAAGATGGGAGTGAAGGACGATTGGCAGCGCGCTGCACGGAGATCGTTGCCAT
 TGACGCACTTCACTTACAGCCTACCTCGATCAGTTTGTGCTGAGAAAGTGAAGCAGTGAAGTAAACAAG
 GCTTACTGCGGATTCCTCCGCTCGGAGTTCCTTCTGAAAATCTTCTGCAAGTGGCCACGGGAACTGGG
 GCTGTGGTGCCTTTGGGGTACGCTAGATTAAGCCTTAATACAGATCCTGGCAGTGTCTGCGGCTGA
 ACGTGACGTGGTTTATTTACCTTTGGGACTCAGAGTTGATGAGAGACATTTACAGCATGCACACTTTC
 CTTACCGAGAGGAAGCTGGATGTTGAAAAGTGTACAAGTATTGCTTAGATACTACAATGAAGAATGCA
 GAAACTGTTCCACCCCTGGACCAGACATCAAGCTTTATCCATTATACCATGCTGTTGAGTCAAGTGC
 AGAGACCACTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219292 representing NM_011960
 Red=Cloning site Green=Tags(s)

MSAGPGWEPCTKRPRWGAAGTSAPTASDSRSFPGRRVLDPKDAPVQFRVPPSSPACVSGRAGPHRGNA
 TSFVFKQKTITTWMDTKGPKTAESESKENNTRIDSMSSVQKDNFYPHKVEKLENVQLNLDKSPTEKS
 SQYLNQQQTASVCKWQNEGKHAEQLLASEPPAGTPLPKQLSNANIGQSPHTDDHSDTDHEEDRDNDQQLT
 PIKLANTKPTVGDGQARSNCKCSGSRQSVKDCCTGCQEEVDVLPESPLSDVGAEDIGTGPKNDNKL TGQE
 SSLGDSPPFEKESEPESPMVDNSKNSCQDSEADEETSVPVFEQDDRSSQTANKLSSCQAREADGDLRKR
 YLTKGSEVRLHFQFEGENNAAGTSDLNAKPSGNSSSLNVECRSSKQHGKRDSKITDHFMRISKSEDRRKEQ
 CEVRHQRTERKIPKYIPPNLPEKKWLGTPIEEMRKMPRCGIHLPSLRPSASHTVTVRVDLLRAGEVPKP
 FPTHYKDLWDNKHVMPCSEQNL YPVEDENGERTAGSRWELIQTALLNKFTRPQNLKDAILKYNVAYSKK
 WDF TALVDFWDKVLEEAEQHL YQSILPDMVKIALCLPNICTQPIPLLKQKMNSVTMSQEIQIASLLANA
 FFCTFPRRNAKMKSEYSSYPDINFNRLFEGRSSRKPEKLTLCYFRRVTEKKPTGLVTFTRQSLEDFPE
 WERCEKPLTRLHVTYEGTIEGNRGLQVDFANRFVGGVGTAGLVQEEIRFLINPELIVSRLFTEVL DH
 NECL IITGTEQYSEYTYAETYRWARSHEDGSEKDDWQRRCTEIVAI DALHFRRYLDQFVPEKVRRELNK
 AYCGLFRPGVPSENLSAVATGNWCGGAFGGDARLKALIQILAAAAAERDVVYFTFGDSELMRDIYSMHTF
 LTERKLDVGKVKLLRLRYNEECRNCSTPGDIKLYPFYHAVESSAETTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9035_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



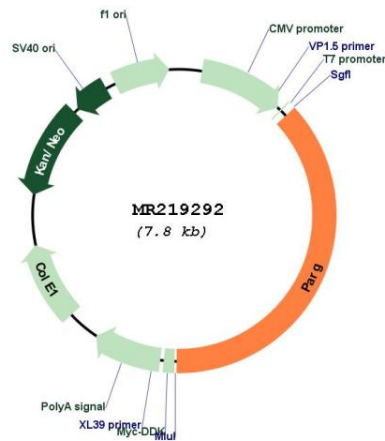
* The last codon before the Stop codon of the ORF

ACCN: NM_011960

ORF Size: 2883 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:	<u>NM_011960.3</u>
RefSeq Size:	4391 bp
RefSeq ORF:	2886 bp
Locus ID:	26430
Cytogenetics:	14 B
MW:	109 kDa

Product images:



Circular map for MR219292