

Product datasheet for **MR208015**

Parp8 (BC021881) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parp8 (BC021881) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Parp8
Synonyms:	2810430O08Rik; ARTD16; D13Ertd275e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208015 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCACCATTAATTCGCACAACTTTTGGGCCGGCCCTGCCCTCAGCCGGCAAGCAAGAGGACTGCC
 TCACACTGAAGTCCCATAAGTTATTGACTCGATCTTGTCTGGAGACCCACGATGTGAGCACAACACCAA
 CTTGAAGCCCCACAACTGCTAAGCAGATCTTACTCCAGTAATCTCAGAATGGAAGATTATATGGCCTG
 AAAAAACACAAATTGCTCAGCAAGTCTTACTCCAGTGCCCCAAGACATCGAAAAAGGAGCATTTCGAAG
 AACCCAACGCAGAGGGCAGGAGGCTCTCGTTACCTCAGGGCTTATCGGTATTTAACACCATCATCGTC
 TTCTTCCAGCCTCTACAAATGGTGCAAAAAGCATTCCAATCCGAGACCGCGGCTTCTGGTGCAGACC
 ATTGAGTTTGTGAGCAGCGGATCCCTGTACTGAATGAATATTGTGTGGTGTGTGATGAACCACACGTGT
 TTCAAATGGCCCATGCTTAGGCCACAGTATGTGAGCGAGAGCTGTGTGTGTTTCTTTCAAACCT
 GGGAGTGATGAATGAAGTCCGACGAGATCGCTACCGGAGCTCAGGTGGTAGATCTGCTTGTGTCCATG
 TGTAGATCTGCGTTGGAATCTCCTAGAAAAGTTGTCATTTTTGAGCCATATCCTTCTGTGGTAGATCCTA
 ATGACCCTCAGATGTTAGCCTTCAATCCAGGAAGAAGAACTATGATCGTGAATGAAAGCTCTGGACAG
 CATAACTTCCATCAGAGAAATGACACAGGCACCCTATCTGAAAATCAAGAAGCAGATGGATAAACAGGAC
 CCCCTTGCTCATCCACTTCTGCAATGGGTCACTCAAGTAATAGGTACACATATTGTGAAACTGCCAGTCA
 ACAGGCAACTGAAGTTCATGCACACGCCACACCACTTCTCCTCCTCAGCAGCCCACCAGCCAAAGATC
 CACTTTCAGAGCCGCCAAGAAGCTCTTCGGGAGCACCTTCGCATTTTCAATGGCTCTCACATTGAAAAGTGG
 GAAGTGGGATCTATCTTAGCCCGATGTCCAGCATATCATTGGTTACTCAGGGATGAACAAGAAGCAGAA
 GGTGTCAAGCAAGGACGAGCCAGCTTCCAGTAGTAAAAGCAGCAATGCATCACAGTCTCAGAAAAAAGGA
 CAGCAATCCCAGTTCCTGCAAGCCGTAACCTGAAATGCATAGCCTTATGTGAAGTGATCACGTACCTG
 ACCTGCACAAACATGGCGAGATATGGGTTGTCCGAACACGGATCATGTCTGTACAAGATTCTTTTTTGT
 TTATGAAGATGGCCAGGTGGGAGATGCCAATATCAACACACAAGAAGGAGGTATTCACAAAGAGATACTC
 CGTGTGATTGGTAATCAGACTGCGACTGGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

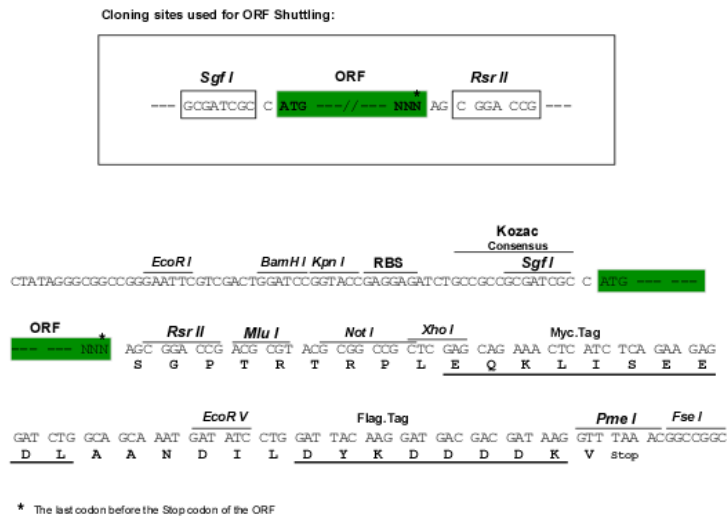
>MR208015 protein sequence
 Red=Cloning site Green=Tags(s)

MSTIKSHKLLGRPCPSAGKQEDCLTLKSHKLLTRSCSGDPRCEHNTNLKPHKLLSRYSNNLRMEELYGL
 KNHKLLSKSYSSAPKTSKMEHFKEPNAEGRRLSLTSGLIGILTPSSSSSQPPTNGAKSIPIRDGFVLVQT
 IEFAEQRIPVLNEYCVVCDPEHVFQNGPMLRPTVCERELCVFAFQTLGVMNEAADEIATGAQVVDLLVSM
 CRSALSPRKVVIFEPYPSVVDPNPQMLAFNPRKKNYDRVMKALDSITSIREMTQAPYLEIKKQMDKQD
 PLAHPLLQWVISSNRSHIVKLPVNRQLKFMHTPHQFLLLSSPPAKESNFRAAKKLFGSTFAFHGSHIENW
 HSILRNGLVVASNTRLQLHGAMYGSGIYLSMSSISFGYSGMKNKQKVSSEKDEPASSKSSNASQSQKKG
 QQSQFLQSRNLKICIALCEVITSPDLHKHGEIWWVPNTDHSVTRFFVYEDGQVGDANINTQEGGIHKEIL
 RVIGNQTATG

SGPTRTRPLEQKLI**SEEDLAANDILDYKDDDDKV**

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: BC021881

ORF Size: 1500 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:

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: [BC021881.1](#)

RefSeq Size: 2887 bp

RefSeq ORF: 1502 bp

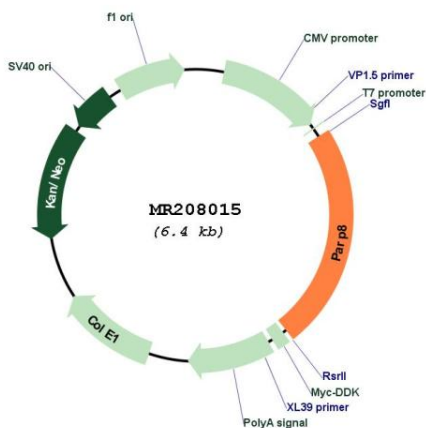
Locus ID: 52552

Cytogenetics: 13 65.32 cM

MW: 55.7 kDa

Gene Summary: Mono-ADP-ribosyltransferase that mediates mono-ADP-ribosylation of target proteins. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208015