

Product datasheet for **MC203444**

Parpbp (NM_029249) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parpbp (NM_029249) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Parpbp
Synonyms:	4930547N16Rik; AI503644; PARI
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC070476
GACGCCGAGGCGATTCAAACCTCTGCCTCCGGCGTCTGGCTGCGCTGCTCCTCCCTCCGCTTGACCC
AGCCTGGGTCACTGGACGAGGTGGTCTGGTCTTCTGTGCCCGGGTGCAGTTCAGTGGCATT
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TATAAAATTAATAACAAAGTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:

AscI-NotI

ACCN:

NM_029249

Insert Size:

1722 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:

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:
[BC070476](#), [AAH70476](#)
RefSeq Size:

3619 bp

RefSeq ORF:

1722 bp

Locus ID: 75317

UniProt ID: [Q6IRT3](#)

Cytogenetics: 10

Gene Summary: Required to suppress inappropriate homologous recombination, thereby playing a central role DNA repair and in the maintenance of genomic stability. Antagonizes homologous recombination by interfering with the formation of the RAD51-DNA homologous recombination structure. Binds single-strand DNA and poly(A) homopolymers. Positively regulate the poly(ADP-ribosyl)ation activity of PARP1; however such function may be indirect (By similarity).[UniProtKB/Swiss-Prot Function]