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Product datasheet for MR215472

Parp4 (NM_001145978) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parp4 (NM_001145978) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Parp4
Synonyms:	Adprtl1; C030027K23Rik; E230037B21Rik; Gm743; p193; PARPL; PH5P; VAULT3; VPARP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR215472 representing NM_001145978, codon optimized.
Due to the complexity of NM_001145978, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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ATCTGAGGAGGTCAATCTCAGGCTGTTGGCTCAAAAAGAGGACCTCTGCCAGTTGGTAAGAGACATGGTC
AATGTATGTGAAACCAACCTGAGTAAACCAAATCCCCCTAGCCTCGCCAAGTACCGCGCTTTGAGGTGTA

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Protein Sequence:

>MR215472 representing NM_001145978
Red=Cloning site Green=Tags(s)

MTLGIFANCIFCLKVKYLPRQQKKKLQTDIKENGGKFSFLLNPQCTHVIVDSADVLSRCHLNSIQKNDVQ
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YVEDLKRQGFLLQEHFTAEATQLASEKLQALLLEEVISSGALSQEVSDLLEVIWTEALGHLENTLLKPVN
SMSLNDVSKAEGILLLVKTALKNGDSPGQLQKTMAEFYRLLPHRHPASEEVNLRLLAQKEDLCQLVRDMV
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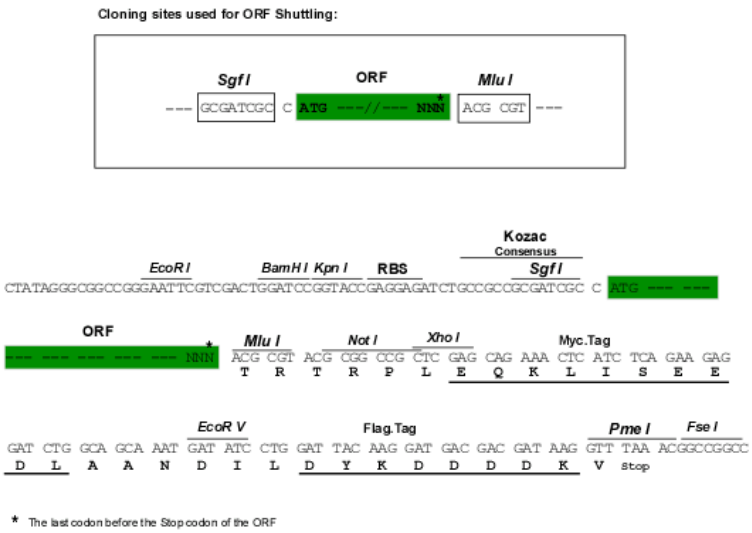
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145978

ORF Size: 5907 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: NM_001145978.2, NP_001139450.2

RefSeq Size: 6391 bp

RefSeq ORF: 5910 bp

Locus ID: 328417

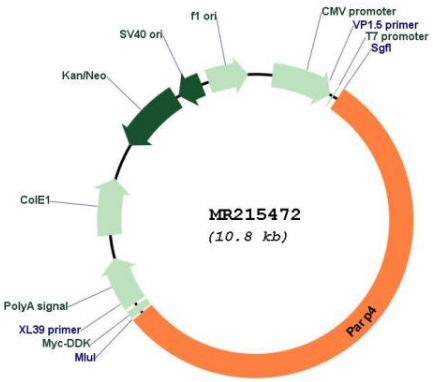
UniProt ID: E9PYK3

Cytogenetics: 14 C3

MW: 216.1 kDa

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

Product images:



Circular map for MR215472