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Product datasheet for SC116119

PARP4 (NM_006437) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP4 (NM_006437) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARP4
Synonyms:	ADPRTL1; ARTD4; p193; PARP-4; PARPL; PH5P; VAULT3; VPARP; VWA5C
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_006437 edited
ACTATAGGGCGGCCGCGAATTCGGCACGAGGCGGAAGTACCGCGAGCAAGGAGCGCGGAA
TCGGGGAGCGTCCGGAGCTAGCTGGATCCTCTAGGCAGGATGGTGATGGGAATCTTTGCA
AATTGTATCTTCTGTTTGAAAGTGAAGTACTTACCTCAGCAGCAGAAGAAAAAGCTACAA
ACTGACATTAAGGAAAATGGCGGAAAGTTTTCCTTTTCGTTAAATCCTCAGTGCACACAT
ATAATCTTAGATAATGCTGATGTTCTGAGTCAGTACCAACTGAATTCTATCCAAAAGAAC
CACGTTCATATTGCAAACCCAGATTTTATATGGAAATCTATCAGGGAAAAGAGACTCTTG
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TACTCACACCCGGGAGAGACAGATGGCACCAGACTCCTGCTCATTTGTGACGTAGCCCTC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006437 unedited
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GCGAGCAAGGAGCGCGGAATCGGGGAGCGTCCGGAGCTAGCTGGATCCTCTAGGCAGGAT
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006437 unedited
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TTAAAGACAGTAATTGCTACACTGAATGAAACCTTAATGAAGTTTCATTATAAGTATCTA
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TTGCANCCTAGNTGCAGCAAGAGCTGCGAAGGTGAAATA

Restriction Sites: NotI-NotI

ACCN: NM_006437

Insert Size:	5650 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:	NM_006437.2, NP_006428.1
RefSeq Size:	5468 bp
RefSeq ORF:	5175 bp
Locus ID:	143
UniProt ID:	Q9UKK3
Cytogenetics:	13q12.12
Domains:	PARP, BRCT, VWA, VIT
Protein Families:	Druggable Genome
Protein Pathways:	Base excision repair
Gene Summary:	This gene encodes poly(ADP-ribosyl)transferase-like 1 protein, which is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. Since this protein is not capable of binding DNA directly, its transferase activity may be activated by other factors such as protein-protein interaction mediated by the extensive carboxyl terminus. [provided by RefSeq, Jul 2008]