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Product datasheet for SC107185

PARP7 (TIPARP) (NM_015508) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARP7 (TIPARP) (NM_015508) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARP7
Synonyms:	ARTD14; PARP7; pART14
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC107185 sequence for NM_015508 edited (data generated by NextGen Sequencing)

ATGGAAATGGAAACCACCGAACCTGAGCCAGACTGTGTAGTGCAGCCTCCCTCTCCTCCT
GATGACTTTTCATGCCAAATGAGACTCTCTGAGAAGATCACTCCATTGAAGACTTGTTTT
AAGAAAAAGGATCAGAAAAGATTGGGAACTGGAACCCTGAGGTCTTTGAGGCCAATATTA
AACACTCTTCTAGAATCTGGCTCACTTGATGGGGTTTTTAGATCTAGGAACCAGAGTACA
GATGAGAACAGCTTACATGAACCTATGATGAAGAAAGCCATGGAAATCAATTCATCATGC
CCACCAGCAGAAAATAATATGTCTGTTCTGATTCCTGATAGGACAAATGTTGGGGACCAG
ATACCGGAAGCCCATCCTTCCACTGAAGCTCCAGAACGAGTGGTTCCAATCCAAGATCAC
AGCTTTCCATCAGAAACCCTCAGTGGGACGGTGGCAGATTCCACACCAGCTCACTTCCAG
ACTGATCTTTTGCACCCAGTTTCAAGTGATGTTCCTACTAGTCCTGACTGCTTAGACAAA
GTCATAGATTATGTTCCAGGCATTTTCCAAGAAAACAGTTTTACAATCCAATACATTCTG
GACACCAGTGATAAGCTGAGTACTGAGCTCTTTCAGGACAAAAGTGAAGAGGCTTCCCTT
GACCTCGTGTTTGAGCTGGTGAACCAGTTGCAGTACCACACTCACCAAGAGAACGGAATT
GAAATTTGCATGGACTTTCTGCAAGGCACTTGTATTTATGGCAGGGATTGTTTGAAGCAC
CACACTGTCTTGCCATATCATTGGCAGATCAAAAGGACAACTACTCAAAAGTGGCAGAGT
GTATTCAATGATTCTCAGGAGCACTTGGAAAGATTTTACTGTAACCCAGAAAATGATAGA
ATGAGAATGAAGTATGGAGGACAAGAATTTTGGGCAGATTTGAATGCCATGAACGTGTAT
GAAACAACTGAATTTGACCAACTACGAAGGCTGTCCACACCACCCTCTAGCAATGTCAAC
TCTATTTACCACACAGTCTGGAAATTCTTCTGTAGGGACCACTTTGGATGGAGAGAGTAT
CCCGAGTCTGTCATTCGATTGATTGAAGAAGCCAACTCTCGGGGTCTGAAAGAGGTTCGA
TTTATGATGTGGAATAACCACTACATCCTCCACAATTCATTCTTCAGGAGAGAGATAAAA
AGGAGACCCCTCTTCCGCTCCTGTTTTATACTGCTTCCATATTTACAGACACTTGGTGGG
GTTCCCACACAAGCTCCTCCACCTCTTGAAGCAACTTCATCATCACAAATTATCTGCCCA
GATGGGGTCACTTCAGCAAACTTTTACCCTGAAACTTGGGTTTATATGCATCCATCTCAG
GACTTCATCCAAGTCCCTGTTTCTGCAGAGGATAAAAGTTATCGGATCATTTACAATCTT
TTTCATAAGACTGTGCCTGAGTTTAAATACAGAATTTTGCAGATATTGAGAGTCCAAAAC
CAGTTTCTTTGGGAGAAATATAAAAGGAAAAAGGAATATATGAACAGGAAAATGTTTGGC
CGTGACAGGATAATAAATGAGAGACATTTATTTCATGGAACATCCCAGGATGTGGTAGAT
GGAATCTGCAAACACAACTTTGACCCTCGAGTCTGTGGAAAGCATGCTACAATGTTTGGA
CAAGGCAGTTATTTTGCAAAGAAGGCAAGCTACTCTCATAACTTTTCTAAGAAGTCCTCC
AAAGGAGTCCACTTCATGTTTCTGGCCAAAGTGCTGACGGGCAGATACACAATGGGCAGT
CATGGCATGAGAAGGCCCCCGCCAGTCAATCCTGGCAGTGTCACCAGTGACCTTTATGAC
TCTTGTGTGGATAATTTCTTTGAGCCTCAGATTTTTGTCATTTTTAATGATGACCAGAGT
TACCCTTATTTTGTTATCCAATATGAAGAAGTCAGTAACACTGTTTCCATTTGA

Clone variation with respect to NM_015508.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015508 unedited

GCGAATTCGGCACGAGTCGAGGCTTTCTGCGTTCGCGGCGGCGGAATGGCCCGTGCGCGG
CTCGCCGCGTCGCGGCTCTGTGGTCCCTAGACGTCGGCTCCCGCCCTCGGCGCTGATCTC
CGGCGCGGGCACTGCTTTCCACTCGGCTCCTGTCGTCCGTTCTCTCAGGCTCCCGTTCAG
GATTTTTAGACTCTGAGGAGCAGTTGGAGCTAATCCACATTATGGAAATGGAAACCACCG
AACCTGAGCCAGACTGTGTAGTGCAGCCTCCCTCTCCTCCTGATGACTTTTCATGCCAAA
TGAGACTCTCTGAGAAGATCACTCCATTGAAGACTTGTTTTAAGAAAAAGGATCAGAAAA
GATTGGGAACTGGAACCCTGAGGTCTTTGAGGCCAATATTAAACACTCTTCTAGAATCTG
GCTCACTTGATGGGGTTTTTAGATCTAGGAACCAGAGTACAGATGAGAACAGCTTACATG
AACCTATGATGAAGAAAGCCATGGAAATCAATTCATCATGCCCACCAGCAGAAAATAATA
TGGTCTGTTCTGATTCCTGATAGGACAAATGTTGGGGACCAGATACCGGAAGCCCATCCT
TCCACTGAAGCTCCAGAACGAGTGGTTCCAATCCAAGATCACAGCTTTCCATCAGAAACC
CTCAGTGGNGACGGTGGCAGATTCCACACCAGCTCACTTNCAGACTGATCTTTTGCACCC
AGTTTCAAGG

Restriction Sites:	NotI-NotI
ACCN:	NM_015508
Insert Size:	4500 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_015508.2, NP_056323.2
RefSeq Size:	3857 bp
RefSeq ORF:	1974 bp
Locus ID:	25976
UniProt ID:	Q7Z3E1
Cytogenetics:	3q25.31
Gene Summary:	This gene encodes a member of the poly(ADP-ribose) polymerase superfamily. Studies of the mouse ortholog have shown that the encoded protein catalyzes histone poly(ADP-ribosyl)ation and may be involved in T-cell function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.