

Product datasheet for **SC106203**

C12orf48 (PARBP) (AF274940) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf48 (PARBP) (AF274940) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARBP
Synonyms:	AROM; C12orf48; PARI
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF274940, the custom clone sequence may differ by one or more nucleotides

[ATGGCGAGACCTCGTCTCTACAAAAAATACAAAAATTAGCTGGGTGTGGTGGGAGTGTGCCTGTAGTCT
CAGCTACTGGGAGACTGAGCACAGTGGAGAATTTACAGTCTCTCTCAGTGATGTTTTATTGACATGGAA
ATACTTGCTCATGAGAAATTGA](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for AF274940 unedited
TTCCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC
AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG
AATTCGGCAGGAGGCTGCGGGCGGCCGGGAGGGCATCCCCTGGGGATCCTTCCGCACA
CTGAAGAGTACGTCTTCGGGTCTACCCCTAATCACATAATGGCTGTGTTAATCAGAAGT
CTGTCTCGGATATGATTAAGAGTTTCGAAAAAATTGGCGTGTCTTTGTAAGTCTGAGA
GAACTACTCTATGTGGTGCAGACTCCATGCTCTTGGCATTGCAGCTTTCTATGGCGGAGA
ACAACAAACAGAGTCACTACTGGATTTTCTGTCTGGCAAACAGTATGCAGTAGGTGATG
AACTGATCTTTTATACCAACATCACCAACAAGTAAATACAACCGTGATAATGAAAAGG
TGCAGCTGCTAGCAAGGAAAATTATCTTTTCATATTTAAATCTGCTAGTGAATCAAAGA
ATGACCTGGCTGTGGCTTATATTCTCAATTTCTGATAGAGGACTAGGAAGAGAAGCCT
TCACTGATTTGAAACATGCTGCTCGAGAGAAACAAATGTCTATCTTTTGGTGGCCACGT
CTTTTATTAGAACAATAGAGCTTGGAGGGAAAGGATATGCACCACCACCATCAGATCCTT
TAAGGACACATGTAAGGGATTGTCTAATTTTATTAATTTTCATTGACCAATTAGATGAGA
TTCTGGNAGAAATACCAACCCAAGCATTGCAGNNNGTCAAATACTGTGAGTATNAAG
ATGCCACTGATTAAGGCCANAACAGCAGGNATCCTTTTTGCAAGCATAGAGGAAGTTGCT
CAGATTGATTTGAGGATAAAAAATATATCATTCTCAGAAGGTGTGTAGCTCTTACACN

Restriction Sites: NotI-NotI



ACCN:	AF274940
Insert Size:	3000 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:	<ol style="list-style-type: none">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:	AF274940.1 , AAK07517.1
RefSeq Size:	1223 bp
RefSeq ORF:	162 bp
Locus ID:	55010
Cytogenetics:	12q23.2
Protein Families:	Druggable Genome
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-ribosylation) activity of PARP1; however such function may be indirect. [UniProtKB/Swiss-Prot Function]