

Product datasheet for **SC108782**

PARL (NM_018622) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PARL (NM_018622) Human Untagged Clone
Tag:	Tag Free
Symbol:	PARL
Synonyms:	PRO2207; PSARL; PSARL1; PSENIP2; RHBDS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108782 sequence for NM_018622 edited (data generated by NextGen Sequencing)

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ATGGCGTGGCGAGGCTGGGCGCAGAGAGGCTGGGGCTGCGGCCAGGCGTGGGGTGGCTGCG  
GTGGGCGGCCGAGCTGCGAGGAGCTCACTGCGGTCTAACCCCGCCGAGCTCCTCGGA  
CGCAGGTTTAACTTCTTTATTCAACAAAAATGCGGATTAGAAAAAGCACCCAGGAAGGTT  
GAACCTCGAAGATCAGACCCAGGACAAGTGGTGAAGCATACAAGAGAAGTGCTTTGATT  
CCTCCTGTGGAAGAAACAGTCTTTTATCCTTCTCCCTATCCTATAAGGAGTCTCATAAAA  
CCTTTATTTTTACTGTTGGGTTTACAGGCTGTGCATTTGGATCAGCTGCTATTTGGCAA  
TATGAATCACTGAAATCCAGGTCAGAGTTATTTTGGTATATAAGCTGATTGGTTG  
GATAGCATAAGACCACAAAAAGAAGGAGACTTCAGAAAGGAGATTAACAAGTGGTGGAAAT  
AACCTAAGTGATGGCCAGCGGACTGTGACAGGTATTATAGCTGCAAATGCCTTGTATTC  
TGTTTATGGAGAGTACCTTCTCTGACGCGACAATGATCAGATATTTACATCGAATCCA  
GCCTCAAAGTCCCTTTGTTCTCCAATGTTGCTGTCAACATTCAAGTCAATTTCTCTTATTT  
CACATGGCAGCAAATATGTATGTTTTGTGGAGCTTCTCTCCAGCATAGTGAACATTCTG  
GGTCAAGAGCAGTTTATGGCAGTGTACCTATCTGACGGTGTATTTCCAATTTTGTCAAGT  
TACGTGGGTAAAGTTGCCACAGGAAGATATGGACCATCACTTGGTGCATCTGGTGCCATC  
ATGACAGTCCCTCGCAGCTGTCTGCACTAAGATCCCAGAAGGGAGGCTTGCATTATTTTC  
CTTCCGATGTTACGTTTACAGCAGGGAATGCCCTGAAAGCCATTATCGCCATGGATACA  
GCAGGAATGATCCTGGGATGGAATTTTTTGGTATCATGCGGCACATCTTGGGGGAGCTCTT  
TTTGGAAATATGGTATGTTACTTACGGTCACTGAACTGATTTTGGAAAGAACAGGGAGCCGCTA  
GTGAAAATCTGGCATGAAATAAGGACTAATGGCCCCAAAAAAGGAGGTGGCTCTAAGTAA
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Clone variation with respect to NM_018622.5



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018622 unedited TCAAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACCAGGGGGCAGAGGTTG GGAAGATGGCGTGGCGAGGCTGGGCGCAGAGAGGCTGGGGCTGCGGCCAGGCGTGGGGTG CGTCGGTGGGCGGCCGAGCTGCGAGGAGCTACTGCGGTCTAACCCCGCCGAGCTCC TCGGACGCAGGTTAACTTCTTTATTCAACAAAAATGCGGATTCAGAAAAGCAGCCAGGA AGGTTGAACCTCGAAGATCAGACCCAGGGACAAGTGGTGAAGCATACAAGAGAAGTGCTT TGATTCCTCTGTGGAAGAAACAGTCTTTTATCCTTCTCCCTATCCTATAAGGAGTCTCA TAAAACCTTTATTTTTACTGTTGGGTTTACAGGCTGTGCAATTTGGATCAGCTGCTATTT GGCAATATGAATCACTGAAATCCAGGGTCCAGAGTATTTTTGATGGTATAAAAAGCTGATT GGTTGGATAGCATAAGACCACAAAAAGAAGGAGACTTCAGAAAAGGAGATTAACAAGTGGT GGAATAACCTAAGTGATGGCCAGCGGACTGTGACAGGTATTATAGCTGCAATGTCCTTG TATTCTGTTTATGGAGAGTACCTTCTCTGCAGCGGACAATGATCAGATATTTACATCGA ATCCAGCCTCAAAGTCTTTGTTCTCCAATGTTGCTGTCAACATTCAGTCATTTCTCT TATTTACATGGCAGCAAATATGTATGTTTGTGGAGCTTCTCTCAGCATAGTGAACAT TCTGGGTCAAGAGCAGTTCATGGCAGTGTACCTATCTNGCAGTGTATTTCCAATTTTGT CAGTTACGTGGGTAAAAGTGCCACAGGAAGTATGGACCATCACTTGGTGCATCTGGTGCC ATCATGACAGTCTCGCAGCTGTCTGCACTTAGATCCAGAAGGGAGGGCTGCCATTATNT NCCTTTGATGGTACGTTCCAGCCAGGGAATGCCCTGNAAGCCATTATCGN
Restriction Sites:	NotI-NotI
ACCN:	NM_018622
Insert Size:	1000 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:	NM_018622.4 , NP_061092.3
RefSeq Size:	1384 bp
RefSeq ORF:	1140 bp
Locus ID:	55486
UniProt ID:	Q9H300
Cytogenetics:	3q27.1
Domains:	Rhomboid

Protein Families: Protease, Transmembrane

Gene Summary: This gene encodes a member of the rhomboid family of intramembrane serine proteases that is localized to the inner mitochondrial membrane. The encoded protein regulates mitochondrial remodeling and apoptosis through regulated substrate proteolysis. Proteolytic processing of the encoded protein results in the release of a small peptide, P-beta, which may transit to the nucleus. Mutations in this gene may be associated with Parkinson's disease. [provided by RefSeq, May 2016]
Transcript Variant: This variant (1) encodes the longest isoform (1), which is localized to the mitochondria.