

Product datasheet for **MG205870**

Parl (NM_001005767) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parl (NM_001005767) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Parl
Synonyms:	D16Ertd607e; PRO2207; Psarl; PSARL1; PSENIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205870 representing NM_001005767 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTGCAAGGTTGGGTACAGCGAGGCTGGCGCTGCGGTCCGGCGTGGGCGCCTCCCTGGGTGGCG
GCTACCGGGAGCTCTCTGCGACCCAGGCCCGCGGCTGCTTGGACGCAGGTTAACTTGTGGTTGTTGACGCA
AAAATGTGGATTTAGAAAAGCACCCAGGAAGGTTGAACCTCGAAGATCAGACACAGGGTCGAGTGGAGAA
GCATATAAGAGAAGTGCCTTGATCCCGCCTCTGGAAGAAACAGTCTTTACCTTCCCCATCCTATAA
GAACACTCGTGAAGCCCTTTTCTCACCATTGGGTTACAGGCTGTGCATTTGGGTGAGTGTCTATTTG
GCAGTATGAGTCACTGAAATCCAGGGTTCAGAGTTATTTTATGGCATAAAAGCTGACTGGTTGGACAGC
ATACGGCCACAAAAGGAAGGAAACCTCAGAAAAGGAGATTAACAAGTGGTGAATAGCCTAAGTATGGCC
AGCGGACTGTGACAGGCATCATAGCTGCGAATGCCCTCGTCTTCTGCTTGTGGAGAGTGGCGTCCCTGCA
GCGAACCATGATCAGATACTTTACATCCAACCCAGCATCCAAGGTTCTTTGTTCTCCAATGTTGCTGTCA
ACGTTCAAGTATTTCTCCTTATTCACATGGCAGCAAATATGTATGTTTTGTGGAGCTTCTCATCTAGCA
TCGTGAACATCCTGGGTCAGGAGCAGTTTGTGGCAGTGTATCTGTCTGCAGGTGTTATTTCCAATTTGT
CAGCTATGTGTAAAGTTGCCACAGGAAGATATGGACCTCACTTGGTGCATCGGGAGCAATCATGACT
GTGCTTGACAGTGTCTGCACCAAGATCCCAGAGGGGAGGCTCGCTATCATCTTCCCTCCCTGCTTCCACT
TCACAGCGGGCAATGCCTTAAAAGCCATCATTGCCATGGATACAGCTGGGATGATCCTGGGATGGAAT
TTTTGATCATGCAGCCATCTTGGGGGAGCTCTTTTGAATATGGTATATCACGTATGGACATGAACTC
ATTTGGAAGAACAGGGAGCCTCTAGTGAATCTGGCACGAAATAAGGACTAATGGCCCCAAGAAAGGAG
GTGGCTTAAG

ACCGTACCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205870 representing NM_001005767
 Red=Cloning site Green=Tags(s)

MALQGWVQRGWRCGPAWAPPLGGGYRELSATQAPRLLGRRFNLFVQQKCGFRKAPRKVPEPRSDTGSSGE
 AYKRSALIPPLEETVFYPSYPYIRTLVKPFFFTIGFTGCAFGSAAIWQYESLKS RVQSYFDGIKADWLDS
 IRPQKEGNLRKEINKWNSLSDGQRTVTGIIAANALVFCLWRVPSLQRTMIRYFTSNPASKVLCSPMLLS
 TFSHFSLFHMAANMYVLWSFSSSIVNILGQEQFVAVYLSAGVISNFVSYVCKVATGRYGPSL GASGAIMT
 VLAAVCTKIPEGRLAIIFLPVFTFTAGNALKAIAMDTAGMILGWKFDHAAHLGGALFGIWIYITYGHEL
 IWKNREPLVKIWHEIRTNGPKKGGGSK

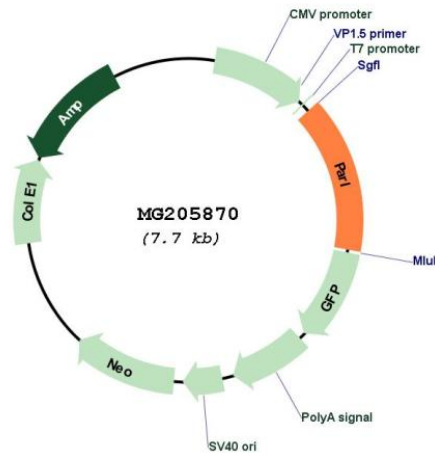
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001005767

ORF Size:	1131 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:	<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_001005767.4 , NP_001005767.1
RefSeq Size:	1341 bp
RefSeq ORF:	1134 bp
Locus ID:	381038
UniProt ID:	Q5XJY4
Cytogenetics:	16 12.4 cM
Gene Summary:	Required for the control of apoptosis during postnatal growth. Essential for proteolytic processing of an antiapoptotic form of OPA1 which prevents the release of mitochondrial cytochrome c in response to intrinsic apoptotic signals (By similarity).[UniProtKB/Swiss-Prot Function]