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Product datasheet for MR205870

Parl (NM_001005767) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parl (NM_001005767) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Parl
Synonyms:	D16Ertd607e; PRO2207; Psarl; PSARL1; PSENIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR205870 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTTGCAAGGTTGGGTACAGCGAGGCTGGCGCTGCGGTCCGGCGTGGGCGCCTCCCTTGGGTGGCG
GCTACCGGGAGCTCTCTGCGACCCAGGCCCCGCGGCTGCTTGGACGCAGGTTTAACTTGTTTGTTCAGCA
AAAATGTGGATTTAGAAAAGCACCCAGGAAGGTTGAACCTCGAAGATCAGACACAGGGTCGAGTGGAGAA
GCATATAAGAGAAGTGCCTTGATCCCGCCTCTGGAAGAAACAGTCTTTTACCCTTCCCCCTATCCTATAA
GAACACTCGTGAAGCCCTTTTTCTTCACCATTGGGTTCACAGGCTGTGCATTTGGGTCAGCTGCTATTTG
GCAGTATGAGTCACTGAAATCCAGGGTTCAGAGTTATTTTGATGGCATAAAAGCTGACTGGTTGGACAGC
ATACGGCCACAAAAGGAAGGAAACCTCAGAAAGGAGATTAACAAGTGGTGGAATAGCCTAAGTGATGGCC
AGCGGACTGTGACAGGCATCATAGCTGCGAATGCCCTCGTCTTCTGCTTGTGGAGAGTGCCGTCCCTGCA
GCGAACCATGATCAGATACTTTACATCCAACCCAGCATCCAAGGTTCTTTGTTCTCCAATGTTGCTGTCA
ACGTTCAGTCATTTCTCCTTATTCCACATGGCAGCAAATATGTATGTTTTGTGGAGCTTCTCATCTAGCA
TCGTGAACATCCTGGGTCAGGAGCAGTTTGTGGCAGTGTATCTGTCTGCAGGTGTTATTTCCAATTTTGT
CAGCTATGTGTGTAAAGTTGCCACAGGAAGATATGGACCTTCACTTGGTGCATCGGGAGCAATCATGACT
GTGCTTGCAGCTGTCTGCACCAAGATCCCAGAGGGGAGGCTCGCTATCATCTTCCTCCCTGTCTTCACCT
TCACAGCGGGCAATGCCTTAAAAGCCATCATTGCCATGGATACAGCTGGGATGATCCTGGGATGGAAATT
TTTTGATCATGCAGCCCATCTTGGGGGAGCTCTCTTTGGAATATGGTATATCACGTATGGACATGAACTC
ATTTGGAAGAACAGGGAGCCTCTAGTGAAAATCTGGCACGAAATAAGGACTAATGGCCCCAAGAAAGGAG
GTGGCTCTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

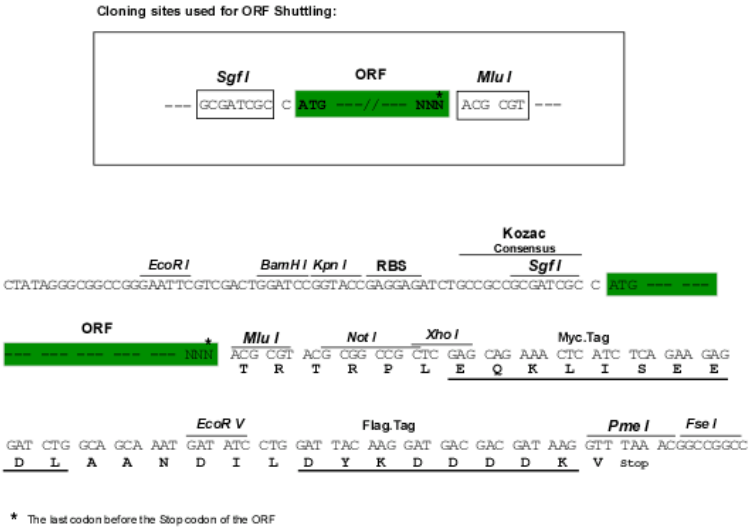
>MR205870 protein sequence
Red=Cloning site Green=Tags(s)

MALQGWVQRGWRCGPAWAPPLGGGYRELSATQAPRLLGRRFNLFVQQKCGFRKAPRKVEPRRSDTGSSGE
AYKRSALIPPLEETVFYPSPYPIRTLVKPFFFTIGFTGCAFGSAAIWQYESLKSRVQSYFDGIKADWLDS
IRPQKEGNLRKEINKWWNSLSDGQRTVTGIIAANALVFCLWRVPSLQRTMIRYFTSNPASKVLCSPMLLS
TFSHFSLFHMAANMYVLWSFSSSIVNILGQEQFVAVYLSAGVISNFVSYVCKVATGRYGPSLGASGAIMT
VLAAVCTKIPEGRLAIIFLPVFTFTAGNALKAIIAMDTAGMILGWKFFDHAAHLGGALFGIWYITYGHEL
IWKNREPLVKIWHEIRTNGPKKGGGSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001005767

ORF Size: 1134 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: 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: 1323 bp

RefSeq ORF: 1134 bp

Locus ID: 381038

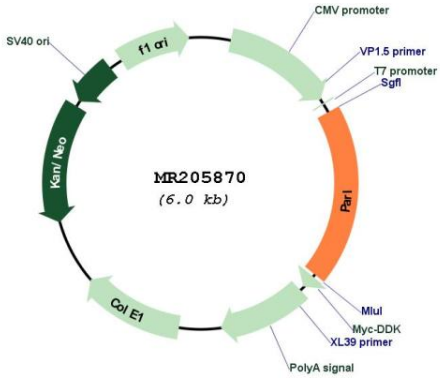
UniProt ID: Q5XJY4

Cytogenetics: 16 12.4 cM

MW: 42 kDa

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 apoptoptic signals (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205870