

Product datasheet for MR205736

Parva (NM_020606) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parva (NM_020606) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Parva
Synonyms:	2010012A22Rik; 5430400F08Rik; Actp; AI225929; AU042898; CH-ILKBP; Parvin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205736 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACATCCCACAGAAGTCGCCCTTGGTCCCAAAATCACCCACTCCCAAGTCGCCTCCGTCCCGCA
AGAAGGATGACTCGTTCTTGGGAAACTCGGAGGGACGCTGGCCCGGAGGAAGAAAGCCAAAGAAGTATC
CGAGTTCAGGAGGAAGGAATGAACGCCATCAACCTGCCTTTAGCCCCATCTCCTTCGAGCTGGACCCC
GAGGACACTCTGCTGGAGGAGAATGAGGTCCGGACAATGGTCGATCCAAACTCACGCAATGACCCCAAC
TTCAAGAGCTGATGAAGGTGCTCATCGACTGGATCAATGACGATTGGTGGGAGAAAGAATCATCGTGAA
GGACCTCGCTGAAGATCTCTATGATGGCAAGTCTACAGAAGCTCTCGAGAAACTGGAGAGTGAGAAG
CTCAACGTGGCCGAGGTTACGCAGTCGGAGATCGCCAGAAACAGAAGCTACAGACTGTGCTGGAGAAGA
TCAATGAGACCCTGAAGCTTCTCCAGGAGCATCAAGTGAACGCTGGACTCTGTTTCATGCCAAGAACCT
GGTTGCCATCCTCCACCTGCTGGTTGCTGTCTCAATATTTCCGGGCACCCATCCGACTCCCAGACCAT
GTTTCCATCCAAGTGGTTGTGGTCCAGAAACGAGAAGGGATCCTCCAGTCTCGACAAATCCAAGAGGAAA
TAACTGTAACACAGAGGCCCTTCCGGAAGGCATGAACGTGATGCCTTTGACACGCTGTTTGACCATGC
ACCAGACAAAATCAATGTGGTGAAGAAGACCCTCATCACGTTTCGTGAACAAGCATCTGAATAAATGAAC
TTGGAGGTCACAGAAGTGGAGACACAGTTGCAGATGGGGTTTACCTGGTGTTCATGGGGCTCCTGG
AAGGCTACTTTGTACCCCTGCACAGCTTCTCCTGACCCAGACAGCTTTGAACAGAAGGTCCTGAATGT
CTCCTTTGCCCTTTGAGCTCATGCAAGATGGAGGCTGAAAAGCCTAAACCGCGGCCAGAAGACATTGTC
AACTGTGACCTGAAGTCCACGCTGAGAGTGCTATAACAACCTTTACCAAGTACCGGAATGTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205736 protein sequence
 Red=Cloning site Green=Tags(s)

MATSPQKSPLVPKSPTPKSPPSRKKDDSFLLGKGGTLARRKKAKEVSEFQEEGMNAINLPLSPISFELDP
 EDTLLEENEVRTMVDPNRNDPKLQELMKVLIDWINDVLVGERIIVKDLAEDLYDQVQLQKLFKLESEK
 LNVAEVTQSEIAQKQKLQTVLEKINETLKLPPRSIKWNVDSVHAKNLVAIHLHLLVALSQYFRAPIRLPDH
 VSIQVVVVQKREGILQSRQIQEEITGNTEALSGRHERDAFDLFDHAPDKLNVVKKTLITFVNKHLNKLN
 LEVTELETQFADGVYLVLLMGLLEGYFVPLHSFFLTPDSFEQKVLNVSF AFELMQDGGLEKPKRPEDIV
 NCDLKSTLRVLYNLF TKYRNVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_020606

ORF Size: 1119 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_020606.5](#), [NP_065631.3](#)

RefSeq Size: 4450 bp

RefSeq ORF: 1119 bp

Locus ID: 57342

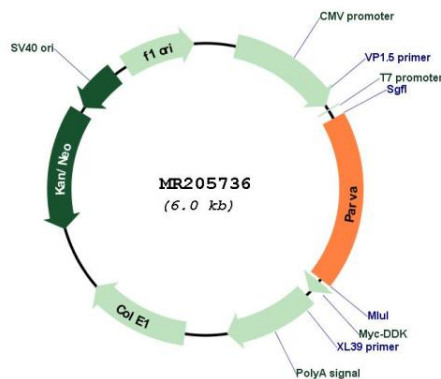
UniProt ID: [Q9EPC1](#)

Cytogenetics: 7 F1

MW: 42.3 kDa

Gene Summary: Plays a role in the reorganization of the actin cytoskeleton, formation of lamellipodia and ciliogenesis. Plays a role in the establishment of cell polarity, cell adhesion, cell spreading, and directed cell migration. Plays a role in sarcomere organization and in smooth muscle cell contraction. Required for normal development of the embryonic cardiovascular system, and for normal septation of the heart outflow tract. Plays a role in sprouting angiogenesis and is required for normal adhesion of vascular smooth muscle cells to endothelial cells during blood vessel development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205736