

Product datasheet for **RR207377**

Pars2 (NM_001014064) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pars2 (NM_001014064) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pars2
Synonyms:	RGD1305345
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR207377 representing NM_001014064
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGGTTTGCTGACAAGATGCAGAACACTGTCTGCCTTGGCTACCTGCAGCCTCCGTCCTCCAGGT
 GCATTGTCGCAAGTGTACCACTGTGCACCAGGAGAGGGCAGCGCTTGGTAGTATCCCGCATGTTCCA
 GCCTCAGAACCTCCGGGAAGACCAGGTGCTTTCTCTGGAGGGCAGAGCTAGTGACCTGACCTGTAAGAGT
 CAGCGGCTGATGCTGCAAGTGGGCTGATCCTCCAGCGAGCCCTGGCTGTTACCACCTCATGCCCTATA
 CAGTTCGTGCCGTGGAGAAGCTTGTGCGGGTGATAGACCAGGAGATGCAGGCCATCGGTGGCAGAAAAT
 CAACATGCCAGCCTCAGCCAGCTGAGCTGTGGCGGGCCACCGCCGCTGGGACCTGATGGCAGGGAG
 CTGCTGAGACTGAAAGACAGGCACGGCAAAGACTGCTTGGGACCCACTCATGAGGAAGCAGTTACAG
 CCCTGGTTGCCTCCAGAAGAACTGTCCTACAAGCAGCTTCCCTTACTGCTGTACCAAGTTACAAGGAA
 GTTTCGGGATGAGCCTCGCCCCGTTTTGGTCTCCTCCGTGGCCGAGAGTTCTATATGAAGGACATGTAC
 ACCTTTGACTCCTCCTCTGAGGCTGCCAGGAGACCTATAGCCTGGTGTGTGATGCTTATGTAGGCTTT
 TCGACAGGCTGGGGTTGCGATGGATGAAGGCCAGGGCAGATGTGGGCAGCATTGGGGGCACAATGTCCCA
 TGAATTCAGCTGCCAGTGGACATTGGAGAGGACCGGCTTGTGGTCTGTCCCAGCTGCCACTTCTCAGCC
 AACACAGAGATAGTAGACTTGTCAAAAAATCTGCCCTGACTGCCAGGGTCCCCGACAGAAAACAAAAG
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 GCCATCGAAGTTCTCTACAGAAGACTGCATCCGCTGGCCAGCCTCCTGGCTCCTTACCAAGTCTGCA
 TCATACCCCTAAGAAGGATAGCAAGGAGGCAGCAGCCACAGAGATTGTGGAGCGATTATATGATGACGT
 CACAGAGGCTCTGCCTCAGCTCCGAGGGGAGGTTCTGCTGGATGACAGGACCCACCTGACCATTTGAAAC
 AGACTAAAAGATGCCAACAAGCTCGGCTACCCCTTGTGATCATTGCAAGCAAGGGGCCCTGGAGGACC
 CTGCGCACTTTGAGGTTTGGTCCAGAACACTGGTGGAGTGGTCTTCTCACAAAGAGGGAGTCATGGA
 ACTGCTGACTGGCGTGCATGTTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207377 representing NM_001014064
 Red=Cloning site Green=Tags(s)

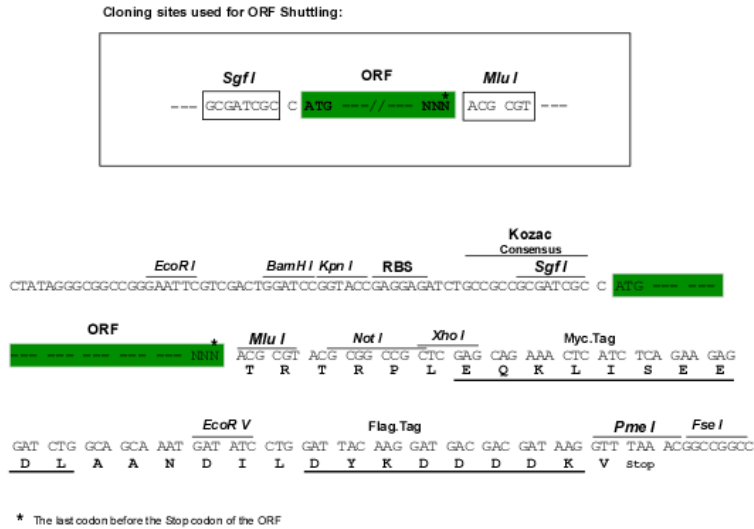
MEGLLTRCRTLSALATCSLRHSRCIVRKYHCAPGRGQRLVVSRLFQPNLREDQVLSLEGRASDLTCKS
 QRLMLQVGLILPASPGCYHLMPTVRAVEKLVVRVIDQEMQAIIGGQKINMPSPSPAELWRATGRWDLMGRE
 LLRLKDRHGKEYCLGPTHEEAVTALVASQKLSYKQLPLLLYQVTRKFRDEPRPRFLLRGREFYMKDMY
 TFDSSSEAAQETYSLVCDAYCRLFDRGLRWMKARADVGSIGGTMSEHFQLPVDIGEDRLVVCPSCHFS
 NTEIVDLSQKICPDCQGPLTETKGI EVGHFTYLGTKYSSIFNAHFTNAHGESLLAEMGCYGLGVTRILAA
 AIEVLSTEDCIRWPSLLAPYQVCIIPPKKGSKEAAATEIVERLYDDVTEALPQLRGEVLLDDRTHLTIGN
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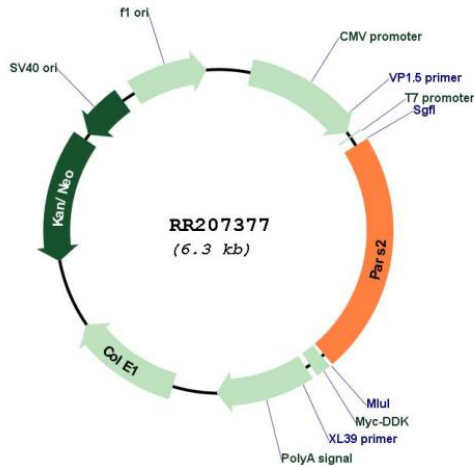
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001014064

ORF Size:

1425 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_001014064.1](#), [NP_001014086.1](#)

RefSeq Size: 3316 bp

RefSeq ORF: 1428 bp

Locus ID: 313429

UniProt ID: [Q5M7W7](#)

Cytogenetics: 5q34

MW: 53.3 kDa