

Product datasheet for **MR209064**

Pja1 (NM_001083110) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pja1 (NM_001083110) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pja1
Synonyms:	praja-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209064 representing NM_001083110
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCACCAGGAAAGGATTGCCAGCCAGAGGAGGACAACAGCCGAAGTCCCAATGCACAGATCAACTG
 CCAATCAAAGCAAGAGGAGCCGGTCACCATTTGCCAGCACACGTCGTCGCTGGGATGACAGCGAGAGCTC
 GGGAGCCAGCCTGGCTGTTGAGAGTGAGGATTATTCCAGGTATCCTCCAAGAGAGTACAGGGCCTCGGGG
 AGCCGAAGAGGATTGGCTTATGGACACATTGACACTGTAGTGGCTCGTGATAGTGAGGAGGAGGGGGCTG
 GGCCTGTTGACCGACTGCCAGTGAGAGGGAAAGCTGGCAAGTTTAAGGATGATCCCGAGAAGGGGCAAG
 GTCTTCCCGCTTTACTAGTGTTAACCATGATGCGAAGGAAGAGTGTGGCAAGGTAGAATCACCCCTGCA
 GCGAGGTGCTCGGCTCGCAGAGCTGAGCTCTCGAAGCAGAATGGCTCCTCGGCCTCTCAGATTTCTTCTG
 CTGAAGGCAGGGCAGCTGCAAAAGGTAAACACAGCTTGGAGAGGGAGAGGCAGAATTTACCAGCTCGTCC
 TAGCAGGGCTCCTGTGAGTATTTGTGGTGGTGGGAAAACACCCAAAGAGTGCCGAGGAACCGGTGGT
 AGACCCAAAGTCCGGAATGTGGCGACTCCAAATGCATGAAACCCAAAGTGTTCCTGATGATGATG
 ATGATGATGTACACACAGTACTTCCAGGTGGCGGGATGCTGCCGATGCTGAGGAGGCTCATGCCGAGGG
 CCTAGCCAGAAGAGGCCGAGGTGAGGCTGCCAGCAGCTCAGAGCCAAGGTATGCTGAAGACCAGGATGCC
 AGGAGTGAACAAGCGAAGGCAGACAAAGTGCCAAGACGGCGGCGAACCATGGCAGACCCTGACTTCTGGG
 CATACCCGACGATTACTACCGATACTACGAGGAAGATTCTGACAGCGACAAAGAGTGGATGGCTGCCCT
 GCGCAGGAAGTACCGAAGCCGAGAGCAACCCAGTCTCCAGCGGAGAAAGCTGGGAGCTTCTGCCAGGA
 AAGGAAGAACTGGAACGTCAGCAAGCCGGAGCTGGGAGCCTCGCCAGTGCTGGCAGCAATGGCAGTGGTT
 ATCCTGAAGAAGTACAAGACCCATCTCTCAGGAGGAAGAAGAGCCTCTCTGGAAGAAGGAGAAATCCC
 TTGGCTTCGCTACAATGAGAATGAAAGCAGCAGCGAGGGTGATAATGAGTCTACCCATGAGCTCATACAG
 CCTGGGATGTTATGCTGGATGGAACAACAACCTGGAAGATGACTCCAGCGTGAGCGAAGACCTCGAAG
 TGGACTGGAGCCTGTTTATGGGTTTGGCGATGGCTTGGGAGTGGCCGAAGCCATCTCTACGTGGATCC
 TCAGTTCTCACCTACATGGCTCTGGAAGAGCGTCTGGCCAGGCAATGGAGACGGCCCTGGCACACTTG
 GAGTCTCTCGCGTTGATGTGGAAGTGGCAACCCACCAGCAAGCAAGGAGAGCATTGATGCCCTTCTG
 AGATCCTGGTCACCGAAGATCATGGTGCAGTGGCCAGGAAATGTGCTGTCTATCTGCTGCAGCGAATA
 TGTGAAGGGGAGGTGGCAACTGAGCTACCATGCCACCACTATTTCCACAAGCCCTGCGTGTCCATCTGG
 CTTCAGAAGTCTGGCACCTGCCAGTGTCCGCTGCATGTTCCCTCCCCGCTC

ACGCGTACGCGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209064 representing NM_001083110
 Red=Cloning site Green=Tags(s)

MSHQERIASQRRRTAEVPMHRSTANQSKRSRSPFASTRRRWDDSESSGASLAVESEDYSRYPPREYRASG
 SRRGLAYGHIDTVVARDSEEGAGPVDRLPVRGKAGKFKDDPEKGARSSRFTSVNHDAKEECGVESPPA
 ARCSARRAELSKQNGSSASQISSAEGRAAAKGNNLERERQNLPARPSRAPVSICGGGENTPKSAEPEVV
 RPKVRNVATPNCMKPVFFDTDDDDVPHSTSRWRDAADAEAAHAEGLARRGRGEAASSSEPRYAEDQDA
 RSEQAKADKVPRRRTMADPDFWAYTDDYYRYEEDSDSDKEWMAALRRKYRSREQPQSSSGESWELLPG
 KEELERQQAGAGSLASAGSNGSGYPEEVQDPSLQEEEQASLEEGEIPWLRYNENESSSEGDNESTHEL IQ
 PGMFMLDGNNNLEDDSSVSEDLVDWLSFDGADGLGVAEAI SYVDPQLTYMALEERLAQAMETALAH
 ESLAVDVEVANPPASKESIDALPEILVTEHDGAVGQEMCCPICSEYVKGEVATELPCHHYFHKPCVSIW
 LQKSGTGPVCRMFPPPL

TRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9036_d01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001083110

ORF Size: 1734 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001083110.2](#), [NP_001076579.1](#)

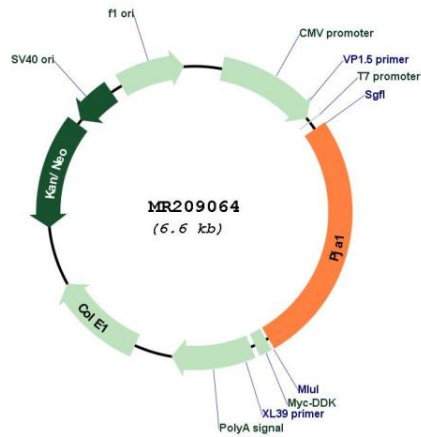
RefSeq Size: 2718 bp

RefSeq ORF: 1737 bp

Locus ID: 18744

UniProt ID:	<u>O55176</u>
Cytogenetics:	X 43.38 cM
MW:	64.4 kDa
Gene Summary:	Has E2-dependent E3 ubiquitin-protein ligase activity. Ubiquitinates MAGED1 antigen leading to its subsequent degradation by proteasome. May be involved in protein sorting. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209064