

Product datasheet for **MR230689**

Pja1 (NM_001290555) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pja1 (NM_001290555) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pja1
Synonyms:	praja-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230689 representing NM_001290555
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTCAGGGACCTAGCAAGCCTGTTCCGCCAGAGCAGCAGGAGGGTATCAGTCAGGTACAGGCAGGA
 GTTATGGAAGGAGGCATGCTTCTGTCTCAGTTTCAGGCCATCCATGAGCCACCAGGAAAGGATTGCCAGCCA
 GAGGAGGACAACAGCCGAAGTCCCAATGCACAGATCAACTGCCAATCAAAGCAAGAGGAGCCGGTACCA
 TTTGCCAGCACACGTCGTCGCTGGGATGACAGCGAGAGCTCGGGAGCCAGCCTGGCTGTTGAGAGTGAGG
 ATTATTCCAGGTATCCTCCAAGAGAGTACAGGGCCTCGGGGAGCCGAAGAGGATTGGCTTATGGACACAT
 TGACACTGTAGTGGCTCGTGATAGTGAGGAGGAGGGGGCTGGGCCTGTTGACCGACTGCCAGTGAGAGGG
 AAAGCTGGCAAGTTAAAGGATGATCCCAGAAAGGGGGCAAGGTCTTCCCGCTTACTAGTGTTAACCATG
 ATGCGAAGGAAGAGTGTGGCAAGGTAGAATCACCCCTGCAGCGAGGTGCTCGGCTCGCAGAGCTGAGCT
 CTGAAGCAGAATGGCTCCTCGGCCTCTCAGATTTCTTCTGCTGAAGGCAGGGCAGCTGCAAAAGGTAAC
 AACAGCTTGGAGAGGGAGAGGCAGAATTTACCAGCTCGTCTAGCAGGGCTCCTGTGAGTATTTGTGGTG
 GTGGGGAAAACACCCCAAGAGTGCCGAGGAACCGGTGGTGAGACCCAAAGTCCGGAATGTGGCGACTCC
 AAAGTGCATGAAACCCAAAGTGTTTTTGATACTGATGATGATGATGATGTACCACACAGTACTTCCAGG
 TGGCGGGATGCTGCCGATGCTGAGGAGGCTCATGCCGAGGGCCTAGCCAGAAAGAGGCCGAGGTGAGGCTG
 CCAGCAGCTCAGAGCCAAGGTATGCTGAAGACCAGGATGCCAGGAGTGAACAAGCGAAGGCAGACAAAGT
 GCCAAGACGGCGGCAACCATGGCAGACCCTGACTTCTGGGCATACCCGACGATTACTACCGATACTAC
 GAGGAAGATTCTGACAGCGACAAGAGTGGATGGCTGCCCTGCGCAGGAAGTACCGAAGCCGAGAGCAAC
 CCCAGTCTCCAGCGGAGAAAGTGGGAGCTTCTGCCAGGAAAGGAAGAACTGGAACGTCAGCAAGCCGG
 AGCTGGGAGCCTCGCCAGTGTGGCAGCAATGGCAGTGGTTATCCTGAAGAAGTACAAGACCCATCTCTT
 CAGGAGGAAGAACAGGCCTCTCTGGAAGAAGGAGAAATCCCTTGGCTTCGCTACAATGAGAATGAAAGCA
 GCAGCGAGGGTGATAATGAGTCTACCCATGAGCTCATAACGCTGGGATGTTGATGCTGGATGGAACA
 CAACCTGGAAGATGACTCCAGCGTGAGCGAAGACCTCGAAGTGGACTGGAGCCTGTTTATGGGTTTGGC
 GATGGCTTGGGAGTGGCCGAAGCCATCTCTACGTGGATCCTCAGTTCCTCACCTACATGGCTCTGGAAG
 AGCGTCTGGCCAGGCAATGGAGACGGCCTGGCACACTTGGAGTCTCTCGCCGTTGATGTCGAAGTGGC
 CAACCCACCAGCAAGCAAGGAGAGCATTGATGCCCTTCTGAGATCCTGGTCACCGAAGATCATGGTGCA
 GTGGGCCAGGAAATGTGCTGCTATCTGCTGCAGCGAATATGTGAAGGGGGAGGTGGCAACTGAGCTAC
 CATGCCACCACTATTTCCACAAGCCCTGCGTGTCCATCTGGCTTCAAGAAGTCTGGCACCTGCCAGTGTG
 CCCTGTCATGTTCCCTCCCCCGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230689 representing NM_001290555
 Red=Cloning site Green=Tags(s)

MGQGPSKPVPRPRAAGGYQSGTGRSYGRRHASVSRPMSHQERIAAQRRTTAEVPMHRSTANQSKRSRSP
 FASRRRWDSESSGASLAVESEDYSRYPPREYRASGSRRLAYGHIDTVVARDSEEEGAGPVDRLPVRG
 KAGKFKDDPEKGRSSRFTSVNHDAKEECGKVESPPAARCSARRAELSKQNGSSASQISSAEGRAAAKGN
 NSLERERQNLPARPSRAPVSIICGGGENTPKSAEPPVVRPKVRNVATPNCMKPKVFFDTHDDDDVPHSTSR
 WRDAADAEHAHAEGLARRGRGEAASSSEPRYAEDQDARSEQAKADKVPVRRRTMADPDFWAYTDDYYRY
 EEDSDSDKEWMAALRRKYRSREQPQSSSGESWELLPGKEELERQQAGAGSLASAGSNGSGYPPEEVQDPSL
 QEEEEQASLEEGEIPWLRYNENESSSEGDNESTHELIQPGMFMLDGNLLEDDSSVSEDLVDWSLFDGFA
 DGLGVAEATISYVDPQFLTYMALEERLAQAMETALAHLESLAVDVEVANPPASKESIDALPEILVTEHDHGA
 VQEMCCPICSEYVKGEVATELPCHHYFHKPCVSIWLQKSGTCTPVCRMFPPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_001290555.1 , NP_001277484.1
RefSeq Size:	3004 bp
RefSeq ORF:	1848 bp
Locus ID:	18744
Cytogenetics:	X 43.38 cM
MW:	68.2 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]