

Product datasheet for **MR209720**

Pja2 (NM_144859) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pja2 (NM_144859) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pja2
Synonyms:	AI447901; AL022700; mKIAA0438; Neurodap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209720 representing NM_144859
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCACAGTACACTGAAAAAGAGCCATCAGTAATGGATCAAGAATCCAGCAAGGCTGCTTGGCCTAAAC
CAGCAGGAGGATATCAGACTATCACAGGCAGGAGATATGGAAGAAGACATGCGTATGTCAGTTTTAAGCC
ATGTATGACCAGGCATGAAAGAAGCTTGGGTCGGGCTGGTATGACTATGAAGTGTGGAAGTACAGCGAT
GTTCCAAAGGAGAACACCTCAGGTTCCAGTTCATTGGATCAAGTCCATCCTGCTTTACCAAATGAACCTA
CAGTTGAAAAAGTGAACAGAAATTTCTACTTGGTCCAGCACTGAATCAAAGCACTGAGAGCAGTCC
ATCCATTGCCACAGTATGTCATAGTGAGGAAGTCAGGGAGACCTAGAAAAGCAATACAAACCTTCATAAT
CGCACTGAGACAGAGCATACTCCAGCAGTTTGAATGTCTCAAGTGTCCAGAATGGAATTATGTTGGTTC
ATACTGACTCTTATGATCCAGACAGCAAGCATGATGAGAAATGGCTCTCTTCAACTGGCGCTGAAGCTGT
GGAAGGTGGTAGACATCAGAAGGGGTTAGGCCGTGCAGTCTTTGAGCTGGAATAAGTGGAGGCAGAGATC
TAGCCTGACCTGTCAACATCAGTCCCCTCTCTCAACGGTGAATAAGTGGAGCGTTTTGAAGAGCTAGATT
CAGCACCTTTAGAGAAAAGTTCTACTGCCGATGCTGAGCTTGTCCATCAGAATGGCAGGAAATTTAGAG
GTCTTCTGAAGATGGCGTTGTTAGAAAAGAGGCGACAAGACGATACTGATCAGGGAAGACAGACAGAAAAT
TCAACTGAAGATGCAGACTGTGCTCCAGGCCATGTTGAGCAAAAATACTAGTGATAGAGCCAAACCACATG
GAAGTTCTCCTGAACAGGTAGTAAGGCCAAAAGTTAGAAAAGTGATAAGTTCAAGCCAGGTGGACCAAGA
AATTGGTTTTAATAGGCACGAGGCTAAGCAGAGAAGCGTTCAGAGATGGAGAGAGGCTTTGGAAGTGGAG
GAGTGCAGTTCAGATGACCCTATAATAAGTGTGACGATTATGATGGAGACCACGACTGCATGTTCTTAA
CTCCAACCTACTCAAGAGTTACACAAAGGGAGACAGAACGGAATCGTGTAAATCAGAAAATGGAGCTAC
AGCTTCAGGACGGCAAGAATCTCGGACAATGCCTTTTGGAAATGCCTGCGGAGAGTATTACCAACTCTTT
GACAAAAGATGAAGACAGGGAACAGACATCCTTGGAAAGAGGGAGAGATCCCTTGGTTACAGTACAATGAGG
TCAATGAGAGCAGCAGCGATGAAGGGAATGAGCCTGCCAATGAGTTTGCACAGCCGGAAGCTTTCATGTT
GGATGGGAACAACAACCTTGAGGACGACTCGAGCGTGAGTGAAGACTTGGATGTGGACTGGAGCCTGTTT
GATGGTTTTGCAGACGGACTTGGAGTTGCTGAAGCTATTTCTTATGTGGATCCTCAGTTCCTTACCTACA
TGGCACTAGAAGAGCGCTTAGCCCAGGCTATGGAGACTGCGCTGGCACATTTAGAGTCCCTTGCAGTAGA
CGTTGAGGTGGCCAAATCCACCTGCCAGTAAGGAAAGCATTGATGGGCTTCCAGAGACTCTGGTTCTAGAG
GACCACACGCCATCGGCCAGGAGCAGTGTGCCATCTGCTGCAGCGAGTACATCAAGGATGACATTG
CCACAGAGCTGCCTTGCCATCACTTCTTTCATAAGCCCTGTGTCTCCATCTGGCTACAGAAGTCCGGAAC
ATGCCCTGTGTGCCGCCGCTCACTTCCCACCTGCAGTATTGACGCATCTGCAGCTGCTTCTCTGACCC
GACCCTGATGCCTCGCCTGCAAATGACAATGCTGAAGAAGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_144859.2](#), [NP_659108.1](#)

RefSeq Size: 4520 bp

RefSeq ORF: 1938 bp

Locus ID: 224938

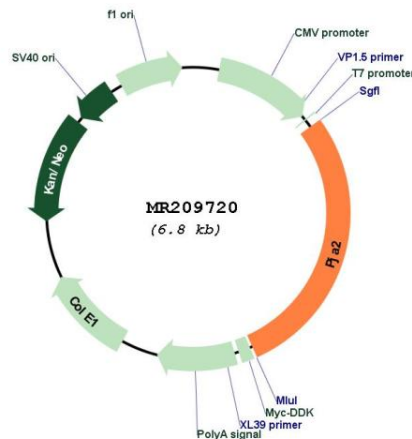
UniProt ID: [Q80U04](#)

Cytogenetics: 17 E1.1

MW: 71.7 kDa

Gene Summary: Has E2-dependent E3 ubiquitin-protein ligase activity. Responsible for ubiquitination of cAMP-dependent protein kinase type I and type II-alpha/beta regulatory subunits and for targeting them for proteasomal degradation. Essential for PKA-mediated long-term memory processes. Through the ubiquitination of MFHAS1, positively regulates the TLR2 signaling pathway that leads to the activation of the downstream p38 and JNK MAP kinases and promotes the polarization of macrophages toward the pro-inflammatory M1 phenotype.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209720