

Product datasheet for MR218785

Nlrp5 (NM_001039143) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nlrp5 (NM_001039143) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nlrp5
Synonyms: Mat; Mater; N; Nalp5; O; Op1; PAN11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218785 representing NM_001039143
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCCTCCAGAAAAAGAAAGTAAAGCAATCTTGAAAGCACGTGGATTGGAAGAGGAACAGAAGTCAG
AAAGAAAAATGACTTCTCCAGAAAACGACAGTAAATCAATCCAGAAAGACCAAGGACCAGAGCAGGAGCA
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TATTATGTTTTAGAAGGGCTGGAGGAATGGAATCAGCATTTTTGCTTCATTGAAAACCAAAGGAGCATCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR218785 representing NM_001039143
 Red=Cloning site Green=Tags(s)

MGPPEKESKAILKARGLEEEQKSERKMTSPENDSKSIQKQDQPEQEQTSESTMGPPEKDSKAILKARGLE
 EEQKSESTMSPENVSRAILKDSGSEVEQASERKMTSPENDSKSIQKQDQPEQEQTSDNGGDLQDYKAH
 VIAKFDTSVDLHYDSPMKLLSDFKPYQKTFQPHTIILHGRPGVGVKSALARSIVL GWAQKGLFQKMSFV
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 PIYILMYSLLRKALLPQSFLIITRNTGLEKLSMVVSPLYIILVEGLSASRRSQLVLENI SNESDRIQVF
 HSLIENHQLFDQCQAPSVCSLVCEALQLQKKGKRCRCLPCQTLTGLYATLVFHQLTLKRPSQSALSQEEQ
 ITLVGLCMMAAEGVWMTMRSVYDDDLKNYSLKESEILALFHMNILLQVGHNSEQCYVFSHLSLQDFFAAL
 YVLEGLEEWNQHFCFIENQRSIMEVKRTDDTRLLGMKRFLFGLMKNKDILKTELVFEYVPIPTVEQKLQ
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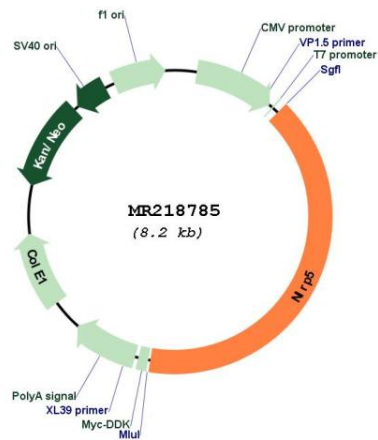
Chromatograms:

https://cdn.origene.com/chromatograms/mm9037_g05.zip

UniProt ID: [Q9R1M5](#)
 Cytogenetics: 7 10.22 cM
 MW: 124.1 kDa

Gene Summary: This gene encodes a member of the NACHT, leucine-rich repeat, and pyrin domain containing family. Members of this family have a pyrin domain at the N-terminus, a central NACHT domain, and a C-terminal leucine-rich repeat domain. This gene encodes a maternal-effect factor that is essential for early embryonic development in the mouse. Homozygous null mutant females are sterile, and embryos die following the first cleavage. This gene is required for endoplasmic reticulum redistribution and calcium homeostasis in oocytes. In addition, ovulated oocytes mutant for this gene have abnormal mitochondrial localization and increased mitochondrial activity, which results in mitochondrial damage and early embryonic lethality. Pseudogenes of this gene have been found on chromosomes 7 and 12. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MR218785