

Product datasheet for **RC223877**

NALP5 (NLRP5) (NM_153447) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NALP5 (NLRP5) (NM_153447) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NALP5
Synonyms: CLR19.8; MATER; NALP5; PAN11; PYPAF8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC223877 representing NM_153447
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGTTGCAGGAGGACTTGAACCTGGAGCTGCTGCTCTCAGCATCACCACGTGCTCTTGTCATCTTTCCACAGGTCCTACTTGTCTATATTACCAAAGAATCCACTTTTCCCCAAAACCTGAGCTCTCA
GCCTTGTATCAAGATGGAAGGAGACAAATCGCTCACCTTTCCAGCTACGGGCTGCAATGGTGTCTCTAT
GAGCTAGACAAGGAAGAATTTAGACATCAAGGAATTAAGAAAGAAATCTTCAGAATCGACCACAT
GCTCTATCCACAGTTTGAATCGAGAATGCCAACGTGGAATGTCTGGCACTCCTCTTGCATGAGTATTA
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AAGGCACGGGATGACATGAAAAGACATTCACCAGAAGATCCTGAAGCAACGATGACTGACCAAGGACCAA
GCAAGGAAAAAGTGCCAGGAATTCACAAGCTGTGCAACAAGATAGTGCCACAGCTGCAGAGACAAAAGA
ACAAGAAATTTACAAGCTATGGAACAAGAAGGTGCCACAGCAGCAGAGACAGAAGAACAAGAAATTTCA
CAAGCTATGGAACAAGAAGGTGCCACAGCAGCAGAGACAGAAGAACAAGGACATGGAGGTGACACATGGG
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TGCTGACTGGCCGAAATGCAAACGTTGGCTGGTGCTTTTGATTACAGACCGGTGGGGCTCCGGCCTCGC
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ACACAAAGCTCTGCAAAGACTGGGCTGAGAAGCAGCCTCCGTTACCCTCATACGCAGTCTGCTGAGGAA
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GTCGCCCCCTTCAACCAACGCTCACAGCCTGCACGCCGCTTTTGTGTTTCATCAGCTCACCCCTCGAG
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CAAATGTTTGTGGAGTCTTTGAGGCTGGATTGCTGTGGATTGACCCATGCCTGTTACCTGAAGATCTC
CCAAATCCTTACGACCTCCCCAGCCTGAAATCTCTGAGCCTGGCAGGAAACAAGGTGACAGACCAGGGA
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CCTATCCAACAACAGCCTGGGGAACGAAGGTGAAATCTACTGTGTCGATCCATGAGGCTTCCCCACTGT
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GCCGCGTGTGTGAGAGTCTGCTGTGTGATCTCGAGGAGCAGACACCTGAAGAGCCTGGATCTCACGG
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223877 representing NM_153447
Red=Cloning site Green=Tags(s)

MKVAGGLELGAAALLSAPRALVTLSTGPTCSILPKNPLFPQNLSSQPCIKMEGDKSLTFSSYGLQWCLY
 ELDKEEFQTFKELLKKKSSESTTCSIPQFEIENANVECLALLLHEYYGASLAWATSISIFENMNLRTLSE
 KARDDMKRHSPEDPEATMTDQGPSKEKVPGISQAVQQDSATAAETKEQEISQAMEQEGATAAETEEQEIS
 QAMEQEGATAAETEEQGHGGDTWDYKSHVMTKF AEEEDVRRSFENTAADWPQMQLAGAFSDRWGFRPR
 TVVLHGKSGIGKSALARRIVLCWAQGGLYQGMFSYVFFLPVREMQRKKESSVTEFISREWPDSDQAPVTEI
 MSRPERLLFIIDGFDDLGSVLNNDTKLCKDWAEEKQPPFTLIRSLLRKVLVLPESFLIVTVRVDVGTCLKSE
 VVSPRYLLVRGISGEQRIHLLLERGIGEHQKTQGLRAIMNRELLDQCQVPAVGS LICVALQLQDVVGES
 VAPFNQTLTGLHAAFVFHQLTPRGVRRCLNLEERVVLRFCRMAVEGVWNRKSVFDGDDL MVQGLGESE
 LRALFHMNILLPDSHCEEYTTFFHLSLQDFCAALYYVLEGLEIEPALCPLYVEKTKRSMELKQAGFHIHS
 LWMKRF LFGLVSEVRRPLEVLLGCPVPLGVKQKLLHWVSLLGQQPNATTPGDTLDAFHCLFETQDKEFV
 RLALNSFQEVWLPINQNLDLIASSFCLQHCPYLKIRVDVKGIFPRDESAEACPVVPLWMRDKTLIEEQW
 EDFCSMLGTHPLRQLDLGSSILTERAMKTLCAKLRHPTCKIQTLMFRNAQITPGVQHLWRIVMANRNL
 SLNLGGTHLKEEDVRMACEALKHPKCLLESRLDCCGLTHACYLKISQILTTSPSLKSLSLAGNKVTDQG
 VMPLSDALRVSQCALQKLILED CGITATGCQSLASALVSNRSLTHLCLSNNSLGNLGNLRCRSMRLPHC
 SLQRLMLNQCHLDTAGCGFLALALMGNSWLTHLSL SMNPVEDNGVKLLCEVMREPSCHLQDLELVKCHLT
 AACCESSLSCVIRSRLKSLDLTDNALGDGGVAALCEGLKQKNSVLAARLGLKACGLTSDCCALSLALSC
 NRHLTSLNLVQNNFSPKGMKLCSAFACPTSNLQIIGLWKWQYPVQIRKLLLEEVQLLKPRVVIDGWSHFS
 DEDDRYWWKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8119_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

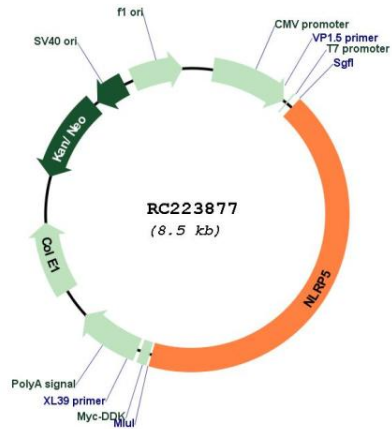


ACCN: NM_153447

ORF Size: 3600 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_153447.4 , NP_703148.4
RefSeq Size:	3885 bp
RefSeq ORF:	3603 bp
Locus ID:	126206
UniProt ID:	P59047
Cytogenetics:	19q13.43
MW:	134.8 kDa
Gene Summary:	<p>The protein encoded by this gene belongs to the NALP protein family. Members of the NALP protein family typically contain a NACHT domain, a NACHT-associated domain (NAD), a C-terminal leucine-rich repeat (LRR) region, and an N-terminal pyrin domain (PYD). Expression of this gene is restricted to the oocyte. A mouse gene that encodes a maternal oocyte protein, similar to this encoded protein, is required for normal early embryogenesis. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RC223877