

Product datasheet for **RR217386**

Nlrp4 (NM_001172164) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nlrp4 (NM_001172164) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nlrp4
Synonyms:	Nalp4; Nlrp4e; RGD1563529; RGD1564841
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217386 representing NM_001172164 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCATTCTTTCTGATTTTGGCCTTATGTGGTACTTGAAGAGTTAAACAAGAAAGAATTCGTGA
AGTTAAAGGAATTCCTCAAACAGGAGATTTTGCAGTTGAGGCTGAAACAGATTTCTTGGACCAAAGTGAA
GAAGGCATCTCGGAAGACCTTGCCAACCTACTGTTGAAACATTATGAGGAGAAGCAAGCCTGGGACATG
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ACTCAAAGTTATATCAAGCTCATTGAAGAAGAAGCTGACCCATGATTATGCCAGAAAGTTAAACATCAA
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AAGGCAACTGGAAGAAGCCACACATGGTGTCTACAAGGAGTGGCGGAATTGGCAAGTCACTGATGT
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CTGCTGTCAAGATGTGAAGCAGTTAAAGAGAGCAAGTCTGGCAGAACTGATCTCCAGAGAGTGGCCCAAT
GCCTCGGCTCCACAGCGGAGATCCTCTCCAGCCGAGAAACTTGTATTATCATCGACAGCTTGAAG
TGATGGAATGCAATATGTCGGAACGGGAATCGGAGCTGTGTGATAACTGCACGGAGAAGCAGCCGTGAG
TTTACTGCTGAGCAGTTTGTCTCAGGAGGAAGATGCTCCCGAATCCTCTTTCCTCATCTCCGCTACCCCA
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AGATGTTTTTCGGCCACCAGTTGTCCCAGGAAATAAGCATCAGCTGTATCAGTGCCTGGAACCATAAG
 TGTCAATGAAGAGCTTCAAGAACAGATAGATGGCATGAAGTTGTTTTACTGTCTGTTGAGATGGAGGAT
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 AATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217386 representing NM_001172164
 Red=Cloning site Green=Tags(s)

MASFFSDFGLMWYLEELNKKEFVKFKEFLKQEILQLRLKQISWTKVKKASREDLANLLKHYYEKQAWDM
 TFKIFQKMNKDLIERAGREIAGHSLYQAHLLKKLTHDYARKFNKAQDLFKQKFTQDDCDFENLLVS
 KATGKKPHMVFLQGVAGIGKSLMLTKLMLAWSEGIVFQNKFSYIFYFCCQDVKQLKRASLAELISREWP
 ASAPTAEILSQPEKLLFIIDSLEVMENMSERESELCNCTEKQPVSLLLSLLRRKMLPESSFLISATP
 ETFEKMEDRIECTNVKIITGFNENNIKMYFRSLFQDKNRTLEAFSLVRENEQLFNVCQVPVLCWMVATCI
 KKEIEKGRDPVVICRRTTSLYTHIFNLFTPQNAQYPSKKSQDQLQGLCSLAAEGMWTDTFVFSEALRR
 NGILDSDIPTLLDRRILERSKESESCYIFLHPSLQEVCAAVFYLLKSHLDHPSQDVKSVEALLFTFLKKA
 KVQWIFLGCFLGLLHESEQEKLEMFQGHLSQEIKHQLYQCLETISVNEELQEIQDGMKLFYCLFEMED
 EAFMLQAMNCMEQINFVAKDYSVIVAAYCLKHCSTLKKLSFSTQNILSEEQEHSYTEKLLICWHHMCSV
 LISSKDIHVLQVKDTNLNETAFWVLYNHLKYPSTLKVLVNNVTFLCDNHLFFELIQNQLQHLNLSLT
 FLSHSDVKLLCDVLNQAECNIEKLMIAACNLSPDDCKVFAVLSISKMLKHLNLSNNLDKGISSLCKAL
 CHPDCILKHLVLANCSLSEQCWDYLSEVVRNKTLSHLDISSNDLKDEGLKVLGALTLPSGLISLSVR
 HCLITTSQCQDLAEVLRHNQNLRSQVSNKIEDAGVKLLCDAIKQPNCHLENIQLEACELTGACCKDLA
 SAFVHCKTLWGINLLENALDHSGLVVLFEALKQKQCTLHVLGLRITDFDKETQEFLIAEEKNPYLSILS
 NV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

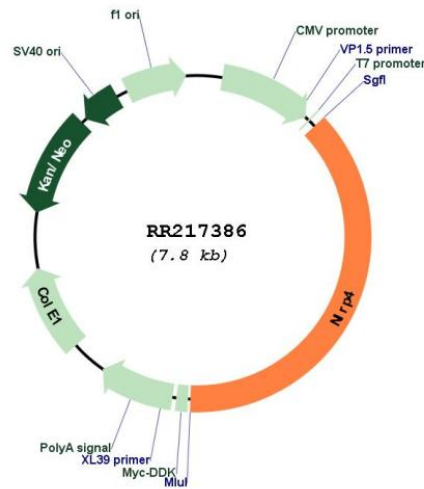
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001172164

ORF Size: 2946 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:	<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_001172164.2 , NP_001165635.2
RefSeq Size:	3387 bp
RefSeq ORF:	2949 bp
Locus ID:	499069
Cytogenetics:	1q12
MW:	113 kDa