

Product datasheet for **RR200242**

Nnat (NM_181687) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nnat (NM_181687) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nnat
Synonyms: Peg5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200242 representing NM_181687
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGAGTGGCAGCAGCCTCGGCAGAACTGCTCATCATCGGCTGGTACATCTCCGCGTGCTGCTGC
AGGTGTCAGGTACTCCCTGCAGAAGCTGGCGCACACGGTGTCCCGACCGGGCGGCAGGTCTGGGGA
GCGCAGCACCGAGCCCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200242 representing NM_181687
Red=Cloning site **Green**=Tags(s)

MAAVAAASAELLIIGWYIFRVLLQVFRYSLQKLAHTVSRTGRQVLGERRHRAPN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

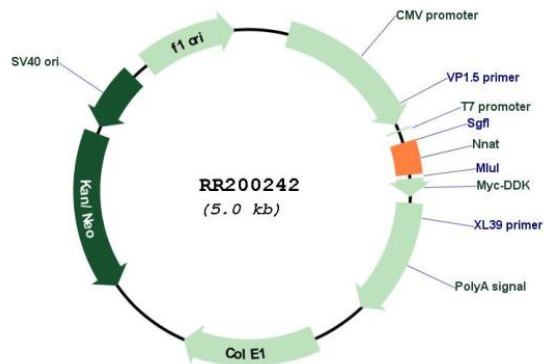


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Cloning Scheme:



Plasmid Map:



ACCN: NM_181687
 ORF Size: 162 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_181687.2 , NP_859015.1
RefSeq Size:	1204 bp
RefSeq ORF:	165 bp
Locus ID:	94270
UniProt ID:	Q62649
Cytogenetics:	3q42
MW:	6.1 kDa
Gene Summary:	may play a role in early postnatal brain development [RGD, Feb 2006]