

Product datasheet for MR227979

Nnat (NM_001291129) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nnat (NM_001291129) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nnat
Synonyms: 5730414I02Rik; AW107673; Peg5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227979 representing NM_001291129
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGAGTGGCAGCAGCCTCGGCAGAACTGCTCATCATCGGCTGGTACATCTCCGCGTGCTGCTGC
AGGTGTTCTGGAATGCTGCATTTACTGGGTAGGATTCGCTTTTCGAAATCCTCCAGGGACACAGCCCAT
TGCAGAAAGTGTTCAGGTACTCCCTGCAGAAGCTGGCGCACACGGTGTCCCGGACCGGGCGCAGGTGCT
GGGGGAGCGCAGGCAGCGAGCCCAACTGAGGCCAGCTCCAGCCCTGGGCGGCCGTGTCATCAGGT
GCTCCTGTGCTTCTCGACCAGCATGGGAGCCAGTCCCGCGCAGGAATGGGGGTCCCTGTGTTCCCTCG
TCAGAGGAGCACTTGCCAAGGTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227979 representing NM_001291129
Red=Cloning site Green=Tags(s)

MAVAASAELL IIGWYIFRVLLQVFLECCYVWGF AFRNPPGTQPIARSVQVLP AEAGAHGVPDRAAGA
GGAQAASPQLRPQLPALGGRVIRCSCASRP AWEVPRRNGGSPVFPQRSTCQGQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

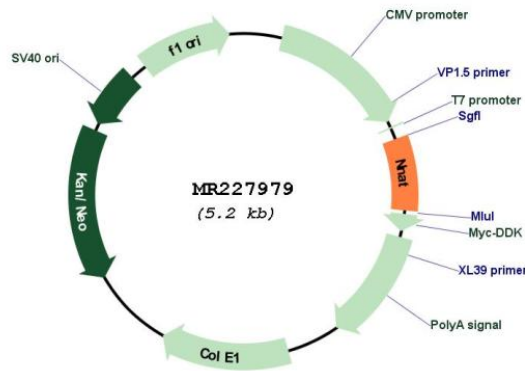


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_001291129

ORF Size:

375 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:	<u>NM_001291129.1</u> , <u>NP_001278058.1</u>
RefSeq Size:	1249 bp
RefSeq ORF:	378 bp
Locus ID:	18111
UniProt ID:	<u>Q61979</u>
Cytogenetics:	2 H1
MW:	13.7 kDa
Gene Summary:	May participate in the maintenance of segment identity in the hindbrain and pituitary development, and maturation or maintenance of the overall structure of the nervous system. [UniProtKB/Swiss-Prot Function]