

Product datasheet for MR200988

Nudt2 (NM_025539) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Nudt2 (NM_025539) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Nudt2

Synonyms: 2310051L06Rik; AA939917; APAH1

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>MR200988 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCCCTGAGGGCATGTGGCTTGATCATCTTCCGAAGACACCCTTATTCCCAAGATGGACAACAGTACAA
TTGAATTTCTGCTGCTGCAGGCATCAGACGGCATTCATCACTGGACTCCTCCCAAAGGCCATGTGGACCC
AGGAGAGAATGACTTAGAAACAGCCCTGCGAGAGACTCGGGAGGAAACAGGCATAGAAGCCAACTG
ACCATCATTGAGGGGTTCAGAAGGGAGCTCAATTACGTGGCCAGGCAGAAGCCTAAAACGGTCATTTACT
GGCTGGCAGAAGTGAAAGACTACAATGTAGAGATCCGCCTCTCCCAGGAGCATCAAGCCTACCGCTGGCT
GGGGCTGGAGGAGGACCCTGCCAGTTGGCTCAGTTCAAGGAGATGAAGGCAACACTCCAAGAAGGACACCAG

TTTCTCTGCTCCACACCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200988 protein sequence

Red=Cloning site Green=Tags(s)

MALRACGLIIFRRHLIPKMDNSTIEFLLLQASDGIHHWTPPKGHVDPGENDLETALRETREETGIEASQL TIIEGFRRELNYVARQKPKTVIYWLAEVKDYNVEIRLSQEHQAYRWLGLEEACQLAQFKEMKATLQEGHQ

FLCSTPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



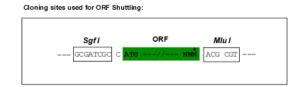
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

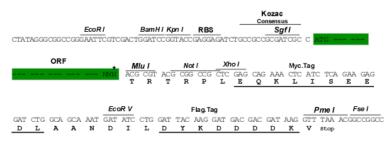
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_025539

ORF Size: 444 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: 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 025539.2, NP 079815.2

 RefSeq Size:
 929 bp

 RefSeq ORF:
 444 bp

 Locus ID:
 66401

 UniProt ID:
 P56380



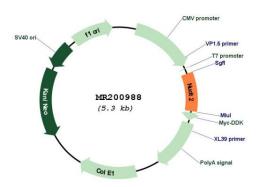
Cytogenetics: 4 A5

MW: 17 kDa

Gene Summary: Asymmetrically hydrolyzes Ap4A to yield AMP and ATP. Plays a major role in maintaining

homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200988