

Product datasheet for **MR224694**

Nudt19 (NM_033080) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Nudt19
Synonyms:	D7Rp2; D7Rp2-r; D7Rp2-s; D7Rp2e; RP2-r; RP2-s
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR224694 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCAGCTCGAGCAGCTGGCGGCGGGCAGCCACCGTGATGTTGGCAGCAGGCTGGACCCACTCGAGCC
CGGCCGGCTTCGGCTGCTGCTTCTCCAGCGAGCACAAACCAGCGCTTCTTGCCCGGCGCGCACGTCTT
CCCGGGCGGCGTGCTGGACGCGGCCGACAGCTCACCCGACTGGGTGCGTCTGTTGCGCCTCGGCACACG
CCGCCGCGCTTCGGCTAGGCCCGGAGCCCCCTCGCAACCCCCCTCCCGGGCTGTCCACGGCGACG
CGGACCCCGCGGCGCTGCCGATGACGTAGCGCTGCGCATCTGTGCCATCCGCGAAGCCTTCGAGGAGGC
GGGGGTGCTGCTCTGCGGCCGCGGACGCGGCTCCAGCTTCTCAGGAGCCAGTCAGGCGCTGTGCGCT
CCGGCCGGCTGGCCGAATGGCGCTGCGCGTGCAGTGACCCGCGCTGCTTCTCCAGCTGTGTGCGC
ACCTAGACTGCACGCTGACATCTGGGCGCTGCAGCTGGGCGGATGGCTCACCCGATGGGCGAAC
CATCCGCCGTTTCGACACCACCTTCTTCTGTGCTGCCTGCGGACATCCGCGCGTGGAGCCCGACGTG
GCCGAGGTGGTGGCTACCACTGTTGTCCCCATCAGAGGCAACTGAATGTTTCTATCAAAGAAATCT
GGCTGGCACCACACAGTCTATGAAATGAGAAGACTTGAAACTTTGCCTCTCTCTGCTCTGTATAG
ATTTTGTTTCGGATCGCCATCAGAAGTACCTGAGAAATGGCTGCCAATAATACTTTAACTTCTGATGGC
ACCATCATCTTCTCCAGGAGATGAGCTGTATGTGAAAGACTCAGACTTCTTGAAAAAGAAATATGCTA
CTGACAAAAAGACTGAAGAAATCGTGAAGGAAGCAAGTCTTAACCGAGTTGTGATCCACAGTCCCTA
TGTGTACGAAATCTACATGACTCTCCGTCAGAGAATAAGCACGTGTACCTAGGAAGTACATAGTGAAT
AAGAGATGTACTGCCACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR224694 protein sequence
Red=Cloning site Green=Tags(s)

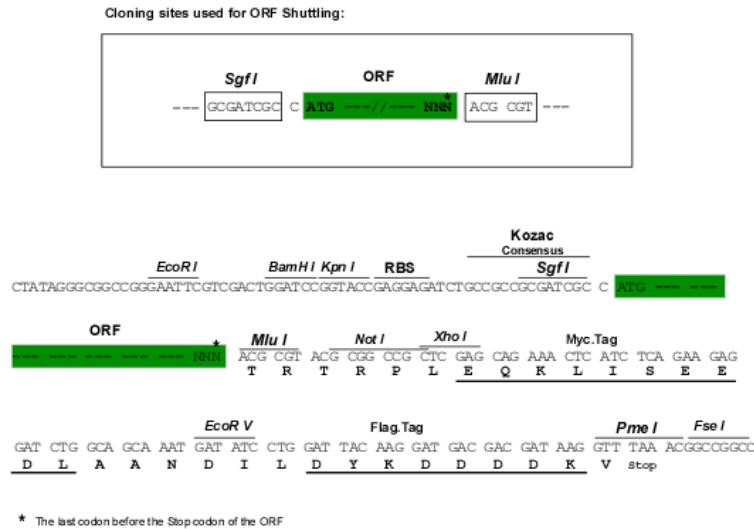
MSSSSWRRAATVMLAAGWTHSSPAGFRLLLLQRAQNQRFLPGAHVFPGGVLDAAOSSPDWVRLFAPRHT
PPRFGLGPEPPRQPPFGLSHGDADPAALPDDVALRICAIREAFEEAGVLLLRPRDAAPASQEPSQALSP
PAGLAEWSRVSDPRCFLQLCAHLDCTPDIWALHDWGGWLTYPYGRITRRFDTTFFLCCLRDIPRVEPDV
AEVVGYYQLSPSEATECFLSKEIWLAPPQFYEMRRLENFASLSALYRFCSDRPSEVPEKWLPIILLTSDG
TIIHLLPGDELYVKDSDFLEKNMSTDKKTEEIVKEGVLNRVVIHSPYVYEIYMTLPSENKHVYPRNYIVN
KRCTAHL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_033080

ORF Size:

1071 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:

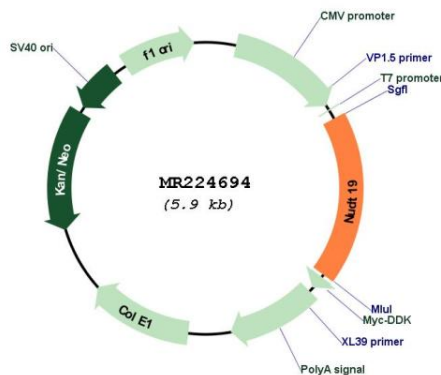
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_033080.2, NP_149071.2</u>
RefSeq Size:	1927 bp
RefSeq ORF:	1074 bp
Locus ID:	110959
UniProt ID:	<u>P11930</u>
Cytogenetics:	7 21.37 cM
MW:	40.3 kDa
Gene Summary:	Acyl-CoA diphosphatase that mediates the hydrolysis of a wide range of CoA esters, including choloyl-CoA and branched-chain fatty-acyl-CoA esters. At low substrate concentrations medium and long-chain fatty-acyl-CoA esters are the primary substrates.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224694