

Product datasheet for **RC225574**

NUDT19 (NM_001105570) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	NUDT19
Synonyms:	RP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225574 representing NM_001105570
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCAGCTCCCTGCGGCCGGGCCAGCCGCTGGCGGCCGGCGGCCAGCATCGTCCTGGCGGCTGGCT
GGTCGCGCCCGGAGACGCCACCCCGCCGTCGCGCCCGCCCGCGCGGAGGCTTCCGGCTGCTGCTGCT
GCAGCGCTCCCGCACCAAGGCTTCATGCCGGGCGCGACGTCTTCTCCGGCGGAGTCTGGATGCGGCC
GACCGCTCGGCGGACTGGCTGGGCTCTTCGCGCCGACACGGGCCCGCGCTTCGGCTGGGCCCGG
CGCCATTAGCCCGACCGCTTTCCTGTCGCTGCCGACACCGATGACCACAAGACCGACAACACTGGGAC
GCTGCTGAGGACGTAGCCTTCCGCATCTGCGCCGTGCGGGAGGCCTTTGAGGAGGCGGGCTGCTGCTG
CTGCGGCCAGGACTTCCCCACAGGCCAGCACCCGGGCTGGCCTCGCCCTGGAGCCACCGCCGGGCC
TGGCTCCTGGCGGACCGCTGCGCCAGGACCGCGCACTTCTGCGGCTGTGCGCCACCTCGACTG
CACACCCGACATCTGGGCGCTGCACAACTGGAGCGCCTGGCTACCCCTTCTTTCGCGGGGACCACTCGC
CGCTTTGACACGGCCTTCTCTGTGCTGCTGCGCGAGCCGCCCGCCCTACCCCGACTTGGCGGAGG
TGGTGGGTACCACTGGTCACTCCATCAGAGGCAACTGAAAGTTTCTTATCAAAGAAATTTGGTTGCC
ACCCACAGTTCTACGAAGTGAGAAGACTTGCAAATTTGCCTCTCTCTGACTTGACAAATTTTGT
TTGGTCTGTCATTAGAAGGACTGGAAGGTGGCTGCCGATCATCTTGTAACTGCTGATGGGATGGTCC
ATCTTTTACCAGGTGATGAGCTATATTTAGAAGATTGAGACTTTTGGAAAATCTTATGTCTACTGAAAA
AAAGACTGAGGAAATCATGAAGGAAGGCAAGCAGTTTACCAGGATAGTGACATACCATCGCCACCTTTAT
GATATCCACGTGACTGTTGAGCCAAAGTATAAACACGTTTATCCTAAGAACTCTGTAGTAAGAAAAAGCC
ATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC225574 representing NM_001105570
Red=Cloning site Green=Tags(s)

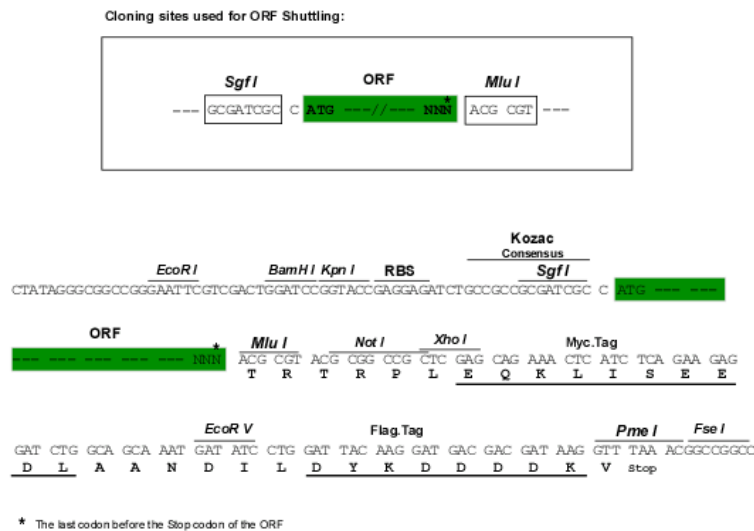
MSSSLRPGPSRWRAASIVLAAGWSRPETATPPSRPPPAEGFRLLLLQRSPHQGFMPGAHVFSGGVLDAA
DRSADWLGLFAPHHGPPRFGLPAPFSRTAFPSLPDTHKTDNTGTLPEDVAFRICAVREAFEEAGVLL
LRPRTSPGPAPGGLALEPPPGLASWRDRVRQDPRHFLRLCAHLDCTPDIWALHNWSAWLTPFLRGTR
RFDTAFFLCCLREPPPVYDLAEVVGYYQWSSPSEATESFLSKEIWLPPQFYEVRRLANFASLSDLHKFC
LGRALEGLERWLPILLTADGMVHLLPGDELYLEDSDFLENLMSTEEKTEEIMKEGKQFHRIVITYHRHLY
DIHVTVPKYKHVYPKNSVVRKSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8034_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001105570

ORF Size: 1125 bp

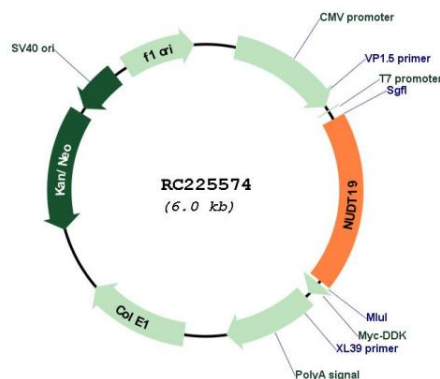
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

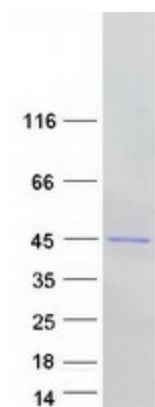
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001105570.1, NP_001099040.1</u>
RefSeq ORF:	1128 bp
Locus ID:	390916
UniProt ID:	<u>A8MXV4</u>
Cytogenetics:	19q13.11
MW:	42.1 kDa
Gene Summary:	Coenzyme A 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225574



Coomassie blue staining of purified NUDT19 protein (Cat# [TP325574]). The protein was produced from HEK293T cells transfected with NUDT19 cDNA clone (Cat# RC225574) using MegaTran 2.0 (Cat# [TT210002]).