

Product datasheet for **SC115739**

NUDT21 (NM_007006) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT21 (NM_007006) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUDT21
Synonyms:	CFIM25; CPSF5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115739 sequence for NM_007006 edited (data generated by NextGen Sequencing)

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ATGTCGTGGTACCGCCCAATCGCTCGCAGACCGGCTGGCCCCGGGGGTCACTCAGTTC
GGCAACAAGTACATCCAGCAGACGAAGCCCTCACCCCTGGAGCGCACCATCAACCTGTAC
CCTCTTACCAATTATACTTTTGGTACAAAAGAGCCCTCTACGAGAAGGACAGCTCTGTT
GCAGCCAGATTTAGCGCATGAGGGAAGAATTTGATAAAATTGGAATGAGGAGGACTGTA
GAAGGGGTTCTGATTGTACATGAGCACC GGCTACCCCATGTGTTACTGCTGCAGCTGGGA
ACAACCTTTCTTCAAACCTACCTGGTGGTGAACCTAACCCAGGAGAAGATGAAGTTGAAGGA
CTAAAACGCTTAATGACAGAGATACTGGGTCGTCAGGATGGAGTTTTGCAAGACTGGGTC
ATTGACGATTGCATTGGTAACTGGTGGAGACCAAATTTTGAACCTCCTCAGTATCCATAT
ATTCCTGCACATATTACAAAGCCTAAGGAACATAAGAAGTTGTTTCTGGTTCAGCTTCAA
GAAAAAGCCTTGTGGCAGTCCCTAAAAATTACAAGCTGGTAGCTGCACCATTGTTTGA
TTGTATGACAATGCACCAGGATATGGACCCATCATTTTCTAGTCTCCCTCAGCTGTTGAGC
AGGTTCAATTTTATTTACAACCTGA
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Clone variation with respect to NM_007006.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007006 unedited
 NGCCTTGATTTTGTATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGCCGCTGA
 GGGGATTGCAGATAAACCCTTCCCGCACGGNGAAAGTCTACCCTGCCTGCCACTTTCTG
 CTCGCCGTCAGCGCCGGAGCTCGCCAGCATGTCTGTGGTACCGCCCAATCGCTCGCAGAC
 CGGCTGGCCCCGGGGGTCACTCAGTTCGGCAACAAGTACATCCAGCAGACGAAGCCCCT
 CACCCTGGAGCGCACCATCAACCTGTACCCTCTTACCAATTATACTTTTGGTACAAAAGA
 GCCCCTCTACGAGAAGGACAGCTCTGTTGCAGCCAGATTCAGCGCATGAGGGAAGAATT
 TGATAAAATTGGAATGAGGAGGACTGTAGAAGGGTTCTGATTGTACATGAGCACCGCT
 ACCCCATGTGTTACTGCTGCAGCTGGAACAACCTTTCTCAAACCTACCTGGTGGTGAAC
 TAACCCAGGAGAAGATGAAGTTGAAGGACTAAAACGCTTAATGACAGAGATACTGGGTCG
 TCAGGATGGAGTTTTGCAAGACTGGGTCATTGACGATTGCATTGGTAACTGGTGGAGACC
 AAATTTTGAACCTCCTCAGTATCCATATATTCTGCACATATTACAAAGCCTAAGGAACA
 TAAGAAGTTGTTCTGGTTCAGCTTCAAGAAAAGCCTTGTGGCAGTCCCTAAAAATACA
 AGCTGGTAGCTGCACCATTGTTTGAATTGTATGACAATGCACCAGGATATGGACCCATCA
 TTTCTAGTCTCCCTCAGCTGTTGAGCAGTTCAATTNTATTTACAACCTGAAATTCCTGCG
 CAGTGGGAGAAGTAAAAGAAGCCCTTGGNCTCTGTGAGCACAGCTATATACAGTGTAGA
 ATAAATGTGGGTAGAAAAGTTTTTTTGGTTTTATCTCTTTTGCAGTCTAAAATGGCACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007006 unedited
 TATGGACCGCGCCGCAATCTANAATCGAGTTTTTTTTTTTTTTTTTCTTTTCAAAA
 TTTTTTATTGAAATGACAATAAAAATAAAAAAAGAACAGTGATCACTTTAACCAAACCTTAC
 TTTACAAATATAAAAATATAACCAAACCTGTTTCTTTTATACATTTGCCATAAACGTAA
 TACCAGAAAAGTTCTCAAACCAAACCTATAAATGATGCTTGAATACTATGATGTGAACAC
 AATAACCAAAGTTTAAATTTCTAAATACATGACCTTCCCTCAACAGAACAGCATAATC
 AATATATCTTCCCAACTTATCTCTATTTTTACGATATGATCCATTAAGATACAAAAT
 ACACCTGAACTGGCCTAATCTAGAGTTACCTAGGTTTTAGTAAGTTTTTTCCACAAAAA
 CAAGCTTAATAACTATAATAACAAGCTAATATTAATGTGTTTTATGGCTCAAATCAAAT
 TACAGTATTAGGTTTCTCATCACGATTTGAACAAAAGCAAACCTGCTTGAATGAGTCCAG
 TTTAACCCAAATAATCAGTGATGATAACAAGTGAAGTAAGTATGGGAAAATCAAATCTT
 ATGCTACAGAAAAGCTGACTTATACTACAGTCAACAACCACTAAGCCTTCTTTGCCAATGA
 AACATACAAAATTGCAAACCTGATGCAGTCTCAGTGATTGGCATATACTGTTCCAACAC
 TATGAACTAGTAAAAACTTAAATTTGAGGATGGAAAAGCTACCCAAGCATTTTCATCTCA
 AGTGACTGGAACAGTACTGGTAAAATAANGTCATTAAGCCGAGAAAACATAGAGCACAC
 ATTAGAAAAGGAAATNTAAGCCGATGCTTGTGGCTGTTGAATTTGAGAACTCTACCTNTC
 ACTCTAATAACATGGAGAAACGACTGGCTATNGGTCCACCTTGTCAATAACAGGGGTACT
 TATGGACCTNAATNNCAAATAGTGATGCTTNTTTAACAATNAAGA

Restriction Sites:

NotI-NotI

ACCN:

NM_007006

Insert Size:

2360 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_007006.2](#), [NP_008937.1](#)

RefSeq Size: 4407 bp

RefSeq ORF: 684 bp

Locus ID: 11051

UniProt ID: [O43809](#)

Cytogenetics: 16q13

Domains: NUDIX

Gene Summary: The protein encoded by this gene is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of the protein with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors. This gene encodes the 25kD subunit of the protein complex, which is composed of four polypeptides. [provided by RefSeq, Jul 2008]