

Product datasheet for **RG200936**

NUDT21 (NM_007006) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT21 (NM_007006) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUDT21
Synonyms:	CFIM25; CPSF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200936 representing NM_007006 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGTGGTACCGCCAATCGCTCGCAGACCGGCTGGCCCCGGGGGTCCTCAGTTCGGCAACAAGT
ACATCCAGCAGACGAAGCCCTCACCTGGAGCGCACCATCAACCTGTACCCTTTACCAATTATACTTT
TGGTACAAAAGAGCCCTCTACGAGAAGGACAGCTCTGTTGCAGCCAGATTTAGCGCATGAGGGAAGAA
TTTGATAAAATTGGAATGAGGAGGACTGTAGAAGGGTCTGATTGTACATGAGCACCGGCTACCCCATG
TGTTACTGCTGCAGCTGGGAACAACCTTTCTCAAACCTACCTGGTGGTGAACCTAACCAGGAGAAGATGA
AGTTGAAGGACTAAAACGCTTAATGACAGAGATACTGGGTCGTCAGGATGGAGTTTTGCAAGACTGGGTC
ATTGACGATTGCATTGGTAACTGGTGGAGACCAATTTTGAACCTCCTCAGTATCCATATATTCCTGCAC
ATATTACAAAGCCTAAGGAACATAAGAAGTTGTTTCTGGTTCAGCTTCAAGAAAAAGCCTTGTTTGCAGT
CCCTAAAATTACAAGCTGGTAGCTGCACCATTGTTTGAATTGTATGACAATGCACCAGGATATGGACCC
ATCATTCTAGTCTCCCTCAGCTGTTGAGCAGGTTCAATTTTATTTACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200936 representing NM_007006
Red=Cloning site Green=Tags(s)

MSVVPNRSQTGWPRGVTQFGNKYIQQTKPLTLERTINLYPLTNYTFGTKEPLYEKDSSVAARFQRMREE
 FDKIGMRRTVEGLIVHEHRLPHVLLQLGTTFFKLPGGELNPGEDEVEGLKRLMTEILGRQDGVLDWV
 IDDCIGNWWRPNFEPYPYIPAHITKPKKHLFLVQLQEKALFAVPKNYKLVAAFLFELYDNAPGYGP
 IISLPLQLLSRFNFIYN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007006

ORF Size: 681 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_007006.3](#)

RefSeq Size: 4407 bp

RefSeq ORF: 684 bp

Locus ID: 11051

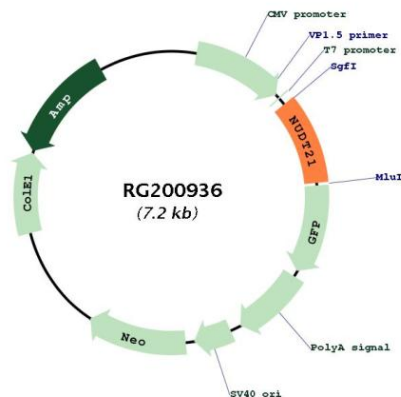
UniProt ID: [O43809](#)

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]

Product images:



Circular map for RG200936