

Product datasheet for **RG223356**

NUDT13 (NM_015901) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT13 (NM_015901) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUDT13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223356 representing NM_015901 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCTGTATTGTGGAATAGCTTGCAGGAGAAAATTTTTTGGTGCTATAGGCTGCTGTCAACCTATG
TTACTAAGACACGGTATTTATTTGAACTGAAGGAAGATGATGATGCATGTAAAAAGCCAGCAACAGG
AGCGTTTTACCTCTTTCATAGTCTGGCTCCTCTGCTTCAGACTTCAGCACATCAATACCTGGCCCCCGG
CACAGCCTGTTAGAGTTGAAAGGCTCCTGGGTAAATTTGGACAGGATGCACAAAGAATAGAAGATTCTG
TGCTGATTGGATGCTCTGAGCAGCAGGAAGCATGGTTTGTCTGGATCTAGGTCTGGATAGCTCCTTTTC
CATAAGTGCCTCCTTACACAAACCTGAAATGGAGACAGAGCTCAAGGGGTCTTTTCATTGAGCTGAGAAAG
GCACTCTTCAACTCAATGCAAGGGATGCCTCCTTGTCTGCCACGGCTCAAGCTCTTCTCCGCTGGCATG
ATGCTCATCAGTTCTGCAGCAGAAGTGGGCGAGCCACCAAGAAGAACGTGGCTGGCAGCAAGCGTGTGTG
CCCTTCCAATAATATAATCTATTATCCACAGATGGCTCCTGTGGCGATCACGCTGGTGTGATGGGACC
CGATGCCTGCTTGCCCGCCAAAGCTCCTTTCCAAGGGAATGATTCTGCCTTGGCAGGTTTTTGTGATA
TAGGTGAAAGTGTGGAAGAGACCATCCGCCGAGAAGTTGCAGAAGAGGTGGGATTGGAGGTGAAAGCCT
GCAGTACTATGCATCCAGCATTGGCCCTTCCCTAGTGGCTCACTCATGATTGCTTGCCATGCAACTGTG
AAACCAGGGCAGACAGAAATCCAGGTGAACCTTGAGAGAATTAGAGACAGCTGCCTGGTTCAGTCATGATG
AGGTAGCCACAGCCCTGAAGAGAAAGGGCCCTATACTCAGCAACAGAATGGGACTTTCCCATTCCTGGCT
GCCCCCTAAGTTAGCCATCTCCACCAACTGATTAAGGAGTGGGTGGAAAAACAGACCTGTTCTTCCCTG
CCTGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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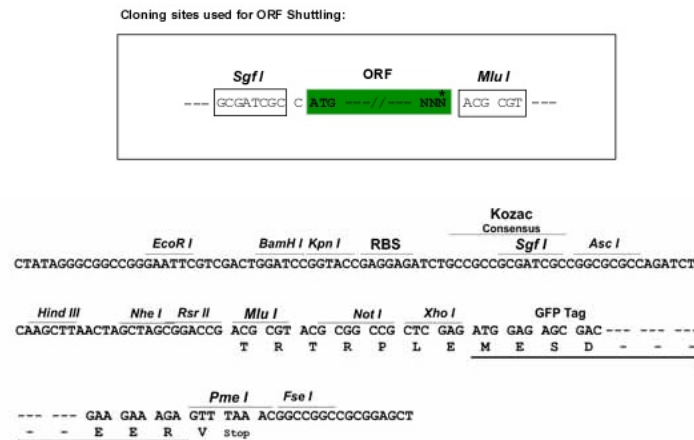
Protein Sequence: >RG223356 representing NM_015901
 Red=Cloning site Green=Tags(s)

MSLYCGIACRRKFFWCYRLLSTYVTKTRYLFELKEDDDACKKAQQTGAFYLFHSLAPLLQTSAHQYLAPR
 HSLLLELERLLGKFGQDAQRIEDSVLIGCSEQEAWFALDLGLDSSF SISASLHKPEMETELKGSFIELRK
 ALFQLNARDASLLSTAQALLRWHDAHQFCRSRSGQPTTKNVAGSKRVCPSNNIIYYPQMAPVAITLVSDGT
 RCLLARQSSFPKGMYSALAGFCDIGESVEETIRREVAEEVGLEVESLQYYASQHWPFPSGSLMIACHATV
 KPGQTEIQVNLRELETAAWF SHDEVATALKRKGPYTQQNGTFFFWLPPKLAISHQLIKEWVEKQTCSSL
 PA

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015901

ORF Size: 1056 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_015901.6](#)

RefSeq Size: 2120 bp

RefSeq ORF: 1059 bp

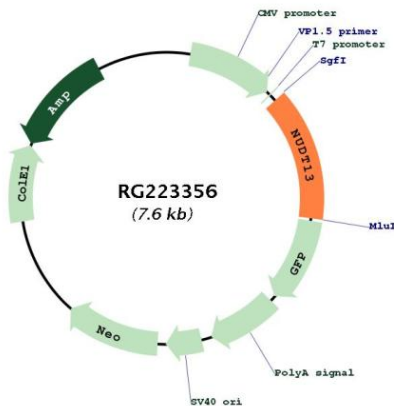
Locus ID: 25961

UniProt ID: [Q86X67](#)

Cytogenetics: 10q22.2

Gene Summary: NAD(P)H pyrophosphatase that hydrolyzes NADH into NMNH and AMP, and NADPH into NMNH and 2',5'-ADP. Has a marked preference for the reduced pyridine nucleotides. Does not show activity toward NAD-capped RNAs; the NAD-cap is an atypical cap present at the 5'-end of some RNAs.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223356