

Product datasheet for RC223356

NUDT13 (NM_015901) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT13 (NM_015901) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUDT13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223356 representing NM_015901 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCTGTATTGTGGAATAGCTTGCAGGAGAAAATTTTTTGGTGCTATAGGCTGCTGTCAACCTATG
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GCCCCCTAAGTTAGCCATCTCCACCAACTGATTAAGGAGTGGGTGAAAAACAGACCTGTTCTTCCCTG
CCTGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC223356 representing NM_015901
 Red=Cloning site Green=Tags(s)

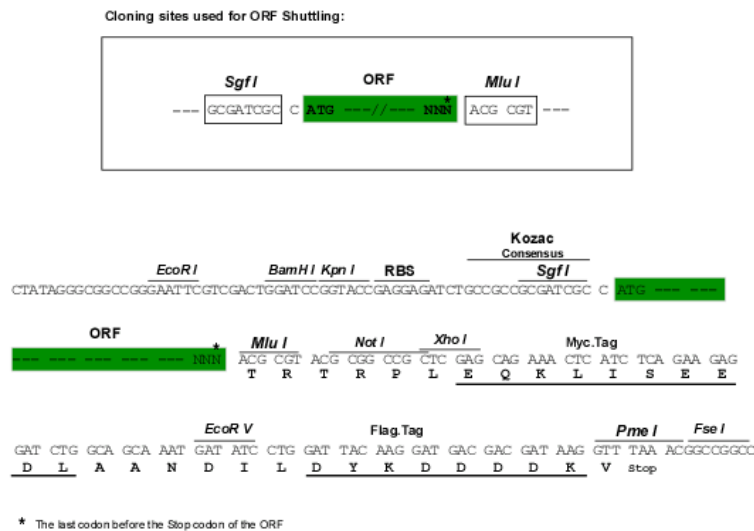
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 ALFQLNARDASLLSTAQALLRWHDAHQFCRSRGQPTKKNVAGSKRVCPSNNIIYYPQMAPVAITLVSDGT
 RCLLARQSSFPKGMYSALAGFCDIGESVEETIRREVAEEVGLEVESLQYYASQHWPFPSGSLMIACHATV
 KPGQTEIQYNLRELETAAWF SHDEVATALKRKGPYTQQQNGTFFFWLPPKLAISHQLIKEWVEKQTCSSL
 PA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8047_c03.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015901.6](#)

RefSeq Size: 2120 bp

RefSeq ORF: 1059 bp

Locus ID: 25961

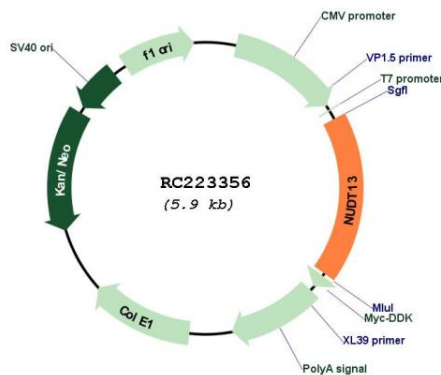
UniProt ID: [Q86X67](#)

Cytogenetics: 10q22.2

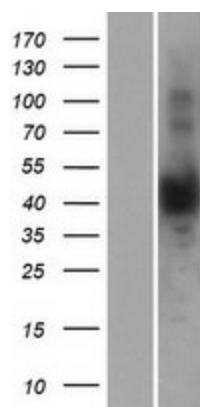
MW: 39.5 kDa

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]

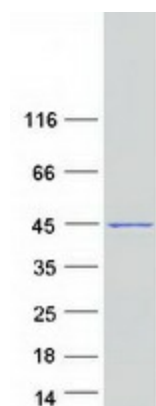
Product images:



Circular map for RC223356



Western blot validation of overexpression lysate (Cat# [LY414333]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223356 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NUDT13 protein (Cat# [TP323356]). The protein was produced from HEK293T cells transfected with NUDT13 cDNA clone (Cat# RC223356) using MegaTran 2.0 (Cat# [TT210002]).