

Product datasheet for RC222894

NUDT9 (NM_024047) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUDT9 (NM_024047) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUDT9
Synonyms:	NUDT10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222894 representing NM_024047 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGACGCCTCCTGGGAAAGGCTTTAGCCGCGGTGTCTCTCTCTGGCCTTGGCCTCTGTGACTA
TCAGGTCTCGCGCTGCCGCGGCATCCAGGCGTTCAGAACTCGTTTTTCATCTTCTGGTTTCATCTTAA
TACCAACGTCATGTCTGGTTCTAATGGTCCAAAGAAAATCTCACATAAAGGCTCGGACGTCTCCTTAC
CCAGGTCAAAGTTGAACGAAGCCAGGTTCTAATGAGAAAGTGGGCTGGCTTGTGAGTGCAAGACT
ATAAGCCTGTGGAATACACTGCAGTCTGTCTTGGCTGGACCCAGGTGGCAGATCCTCAGATCAGTGA
AAGTAATTTTTCTCCAAGTTTAAAGAAAAGGATGGGCATGTTGAGAGAAAGAGCAAGAATGGCCTGTAT
GAGATTGAAAATGGAAGCCGAGAAATCCTGCAGGACGGACTGGACTGGTGGGCCGGGGCTTTTGGGGC
GATGGGGCCAAATCACGCTGCAGATCCCATTATAACCAGATGGAAAAGGGATAGCAGTGGAAAATAAAT
CATGCATCCTGTTTCTGGGAAGCATATCTTACAATTTGTTGCAATAAAAAGGAAAGACTGTGGAGAATGG
GCAATCCCAGGGGGGATGGTGGATCCAGGAGAGAAGATTAGTGCCACACTGAAAAGAGAATTTGGTGAGG
AAGCTCTCAACTCCTTACAGAAAACAGTGCTGAGAAGAGAGAAAATAGAGGAAAAGTTGCACAACTCTT
CAGCCAAGACCACCTAGTGATATATAAGGGATATGTTGATGATCCTCGAAACACTGATAATGCATGGATG
GAGACAGAAGCTGTGAACACCATGACGAAACAGGTGAGATAATGGATAATCTTATGCTAGAAGCTGGAG
ATGATGCTGAAAAGTGAATGGGTGGACATCAATGATAAACTGAAGCTTTATGCCAGTCACTCTCAATT
CATCAACTTGTGGCTGAGAAACGAGATGCACACTGGAGCGAGGACTCTGAAGCTGACTGCCATGCGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

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_024047.5](#)

RefSeq Size: 1716 bp

RefSeq ORF: 1053 bp

Locus ID: 53343

UniProt ID: [Q9BW91](#)

Cytogenetics: 4q22.1

Domains: NUDIX

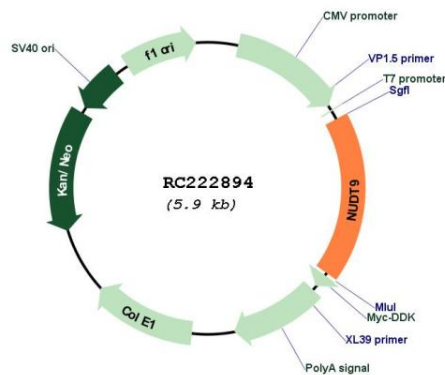
Protein Families: Druggable Genome, Ion Channels: Other

Protein Pathways: Purine metabolism

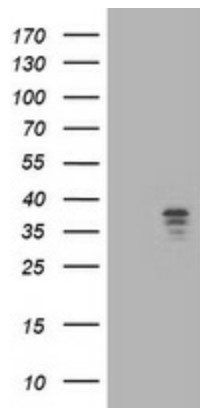
MW: 38.9 kDa

Gene Summary: The protein encoded by this gene belongs to the Nudix hydrolase family. Nudix boxes are found in a family of diverse enzymes that catalyze the hydrolysis of nucleoside diphosphate derivatives. This enzyme is an ADP-ribose pyrophosphatase that catalyzes the hydrolysis of ADP-ribose to AMP and ribose-5-P. It requires divalent metal ions and an intact Nudix motif for enzymatic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

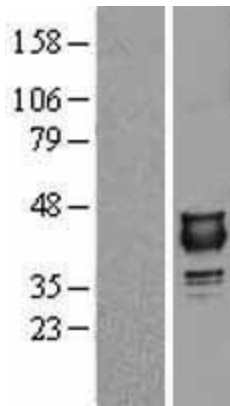
Product images:



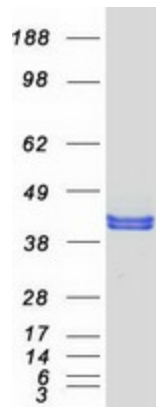
Circular map for RC222894



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NUDT9 (Cat# RC222894, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NUDT9(Cat# [TA503333]). Positive lysates [LY402975] (100ug) and [LC402975] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402975]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222894 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NUDT9 protein (Cat# [TP322894]). The protein was produced from HEK293T cells transfected with NUDT9 cDNA clone (Cat# RC222894) using MegaTran 2.0 (Cat# [TT210002]).