

Recombinant Human NUDT9, His-tagged

Cat. No. NUDT9-994H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human NUDT9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (47-350aa).
Species	Human
Source	E.coli
Description	NUDT9 belongs to a superfamily of Nudix hydrolases. It is known to function as a highly specific adenosine diphosphate ribose pyrophosphatase that hydrolyzes ADP-ribose to AMP and ribose 5"-phosphate. It has been suggested that NUDT9 may be involved in the regulation of the menstrual cycle and maybe related to the proliferation of glandular cells in the human endometrium.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.
Molecular Weight	36.5 kDa (325aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)
Purity	>95 % by SDS -PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MNTNVMSGSN GSKENSHNKA RTSPYPGSKV ERSQVPNEKV GWLVEWQDYK PVEYTAVSVL AGPRWADPQI SESNFSPKFN

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EKDGHVERKS KNGLYEIENG RPRNPAGRTG LVGRGLLGRW GPNHAADPII
 TRWKRDSGK KIMHPVSGKH ILQFVAIKRK DCGEWAIPGG MVDPGEKISA
 TLKREFGEEA LNSLQKTSAE KREIEEKLHK LFSQDHLVIY KGYVDDPRNT
 DNAWMETEAV NYHDETGEIM DNLMLEAGDD AGKVWVDIN DKLKLYASHS
 QFIKLVAEKR DAHWSEDSEA DCHAL

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [NUDT9 nudix \(nucleoside diphosphate linked moiety X\)-type motif 9 \[Homo sapiens \]](#)

Synonyms NUDT9; NUDT10; MGC3037; ADP-ribose pyrophosphatase, mitochondrial; ADPR-PPase; nudix motif 9; OTTHUMP00000218561; OTTHUMP00000218562; ADP-ribose diphosphatase; ADP-ribose phosphohydrolase; ADP-ribose pyrosphosphatase NUDT9; adenosine diphosphoribosepyrophosphatase; nucleoside diphosphate-linked moiety X motif 9; nucleoside diphosphate linked moiety X-type motif 9; NP_076952.1; EC 3.6.1.13; NP_932155.1

Gene ID [53343](#)

mRNA Refseq [NM_024047](#)

Protein Refseq [NP_076952](#)

MIM [606022](#)

UniProt ID [Q9BW91](#)

Chromosome 4q22.1

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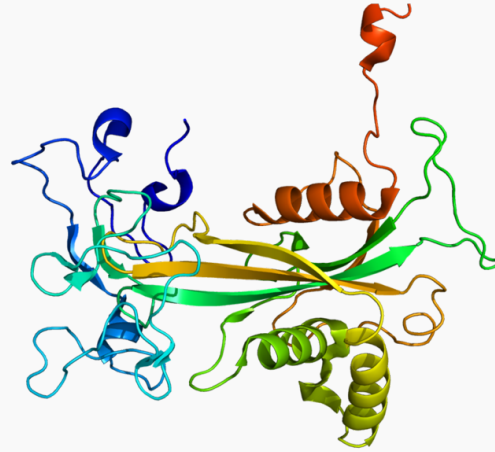
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Location

Function

ADP-ribose diphosphatase activity; ADP-sugar diphosphatase activity; hydrolase activity



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