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 highlyspecific adenosine diphosphate ribose pyrophosphatase that hydrolyzes ADPriboseto AMP and ribose 5''-phosphate. It has been suggested thatNUDT9 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-HClbuffer(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

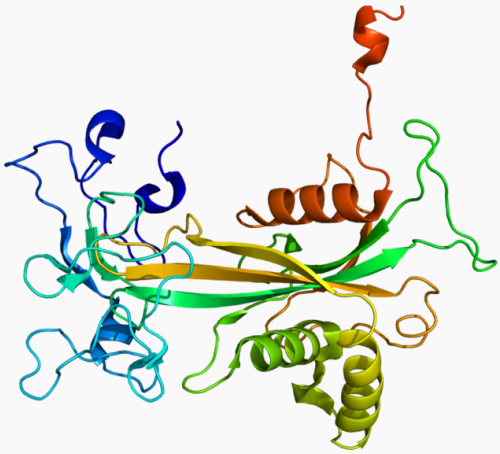
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	EKDGHVERKS KNGLYEIENG RPRNPAGRTG LVGRGLLGRW GPNHAADPII TRWKRDSSGN KIMHPVSGKH ILQFVAIKRK DCGEWAIPGG MVDPGEKISA TLKREFGEEA LNSLQKTSAE KREIEEKLHK LFSQDHLVIY KGYVDDPRNT DNAWMETEAV NYHDETGEIM DNLMLEAGDD AGKVKWVDIN 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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Location	
Function	ADP-ribose diphosphatase activity; ADP-sugar diphosphatase activity; hydrolase activity
	

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