

NUDT9, 47-350aa, Human, His tag, E.coli

Cat.NO.: TP03232

3th Edition

Synonyms:ADP-ribose pyrophosphatase, mitochondrial isoform a., MGC3037, NUDT10

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 may be 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)

Sequences:

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MGSSHHHHHSSGLVPRGSHMNTNVMMSGNSGSKENSHNKARTSPYPGSKVERSQVPNEKVGWLVEWQDYKPV  
EYTAVSVLAGPRWADPQISESNFSPKFNEKDGHVVERKSKNGLYEIENGRPRNPAGRTGLVGRLLGRWGPNHAA  
DPIITRWKRDSSGNKIMHPVSGKHILQFVAIKRKDCGEWAIPGGMVDPGEKISATLKREFGEEALNSLQKTSAEKREI  
EEKLHKLFSQDHLVIYKGYVDDPRNTDNAWMETEAVNYHDETGEIMDNLMLEAGDDAGKVKWVDINDKLLKLYASH  
SQFIKLVAEKRAHWSEADSEADCHAL
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Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.