

Recombinant Human NUDT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUDT2-6279H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NUDT2 MS Standard C13 and N15-labeled recombinant protein (NP_671702) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. The gene product possesses a modification of the MutT sequence motif found in certain nucleotide pyrophosphatases. The enzyme asymmetrically hydrolyzes Ap4A to yield AMP and ATP and is responsible for maintaining the intracellular level of the dinucleotide Ap4A, the function of which has yet to be established. This gene may be a candidate tumor suppressor gene. Alternative splicing has been observed at this locus and four transcript variants, all encoding the same protein, have been identified.
Molecular Mass	17.3 kDa
AA Sequence	MALRACGLIIFRRCLIPKVDNNAIEFLLQASDGIHHWTPPKGHVEPGEDDLETALRE TQEEAGIEAGQLTIIIEGFKRELNYVARNKPKTVIYWLAEVKDYDVEIRLSHEHQAYRW LGLLEACQLAQFKEMKAALQEGHQFLCSIEATRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	NUDT2 nudix hydrolase 2 [Homo sapiens (human)]
Official Symbol	NUDT2
Synonyms	NUDT2; nudix (nucleoside diphosphate linked moiety X)-type motif 2; APAH1; bis(5-nucleosyl)-tetraphosphatase [asymmetrical]; Ap4A hydrolase 1; Ap4Aase; bis(5-nucleosyl) tetraphosphatase (asymmetrical); diadenosine 5; 5 P1; P4 tetraphosphate pyrophosphohydrolase; diadenosine tetraphosphatase; nudix motif 2; nucleoside diphosphate-linked moiety X motif 2; bis(5-nucleosyl)-tetraphosphatase (asymmetrical); diadenosine 5,5-P1,P4-tetraphosphate pyrophosphohydrolase; diadenosine 5,5-P1,P4-tetraphosphate asymmetrical hydrolase; MGC10404;
Gene ID	318
mRNA Refseq	NM_147173
Protein Refseq	NP_671702
MIM	602852

UniProt ID

P50583

SDS-PAGE

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