

## Product datasheet for **TP302439M**

### **NUDT2 (NM\_147172) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human nudix (nucleoside diphosphate linked moiety X)-type motif 2 (NUDT2), transcript variant 2, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC202439 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MALRACGLIIFRRCLIPKVDNNAIEFLLQASDGIHHWTPPKGHVEPGEDDLETALRETQEEAGIEAGQL TIIEGFKRELNYVARNKPKTVIYWLAEVKDYDVEIRLSHEHQAYRWLGLEEACQLAQFKEMKAALQEGHQ FLCSIEA  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	16.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_671701</a></u>
<b>Locus ID:</b>	318
<b>UniProt ID:</b>	<u><a href="#">P50583</a></u>



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RefSeq Size: 1020

Cytogenetics: 9p13.3

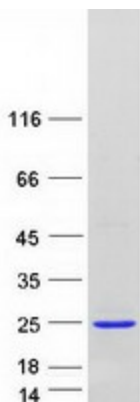
RefSeq ORF: 441

Synonyms: APAH1

**Summary:** 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. [provided by RefSeq, Sep 2011]

**Protein Pathways:** Purine metabolism, Pyrimidine metabolism

### Product images:



Coomassie blue staining of purified NUDT2 protein (Cat# [TP302439]). The protein was produced from HEK293T cells transfected with NUDT2 cDNA clone (Cat# [RC202439]) using MegaTran 2.0 (Cat# [TT210002]).