

Product datasheet for PH302439

NUDT2 (NM_147172) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NUDT2 MS Standard C13 and N15-labeled recombinant protein (NP_671701)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202439
Predicted MW:	16.8 kDa
Protein Sequence:	>RC202439 protein sequence Red =Cloning site Green =Tags(s) MALRACGLIIFRRCLIPKVDNNAIEFLLLQASDGIHHWTPPKGHVEPGEDDLETALRETQEEAGIEAGQL TIIIEGFKRELNYVARNKPKTVIYWLAEVKDYDVEIRLSHEHQAYRWLGLEEACQLAQFKEMKAALQEGHQ FLCSIEA TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_671701</u>
RefSeq Size:	1020
RefSeq ORF:	441
Synonyms:	APAH1
Locus ID:	318
UniProt ID:	<u>P50583</u>



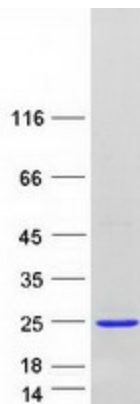
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Cytogenetics: 9p13.3

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]).