# antibodies .- online.com





## **NUDT1 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)**



Image



Overview	
Quantity:	20 μg
Target:	NUDT1
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUDT1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	<ul> <li>Recombinant human NUDT1 (transcript variant 1) protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	NUDT1
Alternative Name:	Nudt1 (NUDT1 Products)
Background:	Misincorporation of oxidized nucleoside triphosphates into DNA/RNA during replication and
	transcription can cause mutations that may result in carcinogenesis or neurodegeneration. The
	protein encoded by this gene is an enzyme that hydrolyzes oxidized purine nucleoside
	triphosphates, such as 8-oxo-dGTP, 8-oxo-dATP, 2-hydroxy-dATP, and 2-hydroxy rATP, to

#### **Target Details**

monophosphates, thereby preventing misincorporation. The encoded protein is localized mainly in the cytoplasm, with some in the mitochondria, suggesting that it is involved in the sanitization of nucleotide pools both for nuclear and mitochondrial genomes. Several alternatively spliced transcript variants, some of which encode distinct isoforms, have been identified. Additional variants have been observed, but their full-length natures have not been determined. A single-nucleotide polymorphism that results in the production of an additional, longer isoform (p26) has been described.

Molecular Weight: 17.8 kDa

NCBI Accession: NP\_002443

#### **Application Details**

Application Notes: Recombinant human proteins can be used for:

Native antigens for optimized antibody production

Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

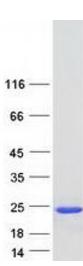
#### Handling

Concentration: 50 μg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



### **Western Blotting**

Image 1. Validation with Western Blot