

Recombinant Human NUDT9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUDT9-2964H Lot. No. (See product label)

SPECIFICATION

Product Overview

NUDT9 MS Standard C13 and N15-labeled recombinant protein (NP_076952) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The protein encoded by this gene belongs to the Nudix hydrolase family. Nudix boxes are found in a family of diverse enzymes that catalyze the hydrolysis of nucleoside diphosphate derivatives. This enzyme is an ADP-ribose pyrophosphatase that catalyzes the hydrolysis of ADP-ribose to AMP and ribose-5-P. It requires divalent metal ions and an intact Nudix motif for enzymatic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Molecular Mass

38.9 kDa

AA Sequence

MAGRLLGKALAAVSLALASVTIRSSRCRGIQAFRNSFSSSWFHLNTNVMMSGNSG
 SKENSHNKARTSPYPGSKVERSQVPNEKVGWLVWQDYKPVEYTAVSVLAGPRW
 ADPQISESNFSPKFNEKDGHVVERKSKNGLYEIENGRPRNPAGRTGLVGRGLLGRW
 GPNHAADPIITRWKRDSSGNKIMHPVSGKHILQFVAIKRKDCGEWAIPGGMVDPGEK
 ISATLKREFGEEALNSLQKTSAEKREIEEKLHKLFSQDHLVIYKGYVDDPRNTDNAW
 METEAVNYHDETGEIMDNLMLEAGDDAGKVKWVDINDKCLKLYASHSQFIKLVAEKR
 DAHWESEADCHALTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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	NUDT9 nudix hydrolase 9 [Homo sapiens (human)]
Official Symbol	NUDT9
Synonyms	NUDT9; nudix (nucleoside diphosphate linked moiety X)-type motif 9; ADP-ribose pyrophosphatase, mitochondrial; MGC3037; ADPR-PPase; ADP-ribose diphosphatase; ADP-ribose phosphohydrolase; ADP-ribose pyrosphosphatase NUDT9; adenosine diphosphoribose pyrophosphatase; nucleoside diphosphate linked moiety X-type motif 9; NUDT10;
Gene ID	53343
mRNA Refseq	NM_024047
Protein Refseq	NP_076952
MIM	606022

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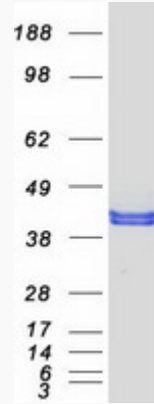
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UniProt ID

Q9BW91

SDS-PAGE



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