

Recombinant Human NUDT10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUDT10-6709H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

NUDT10 MS Standard C13 and N15-labeled recombinant protein (NP_694853) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene is a member of the nudix (nucleoside diphosphate linked moiety X)-type motif containing family. The encoded protein is a phosphohydrolase and may regulate the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates represents a molecular switching activity with important regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may contribute to the regulation of intracellular trafficking. In some populations putative prostate cancer susceptibility alleles have been identified for this gene. Alternatively spliced transcript variants, which differ only in the 5' UTR, have been found for this gene.

Molecular Mass

18.5 kDa

AA Sequence

MKCKPNQTRTYDPEGFKKRAACLFRSEREDEVLLVSSSRYPDRWIVPGGGMEPE
EETGGAAVREYEEAGVKGKLGRLGCVFEQNDPEHRTYVYVLTVTLEDWEDS
VSIKREWFKVEDAIKVLQCHKPVHAEYLEKLLKGGSPSTNGNSMAPSSPDSDPTR
TRPLEQKLISEEDLAANDILDYKDDDDKV

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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	NUDT10 nudix hydrolase 10 [Homo sapiens (human)]
Official Symbol	NUDT10
Synonyms	NUDT10; nudix (nucleoside diphosphate linked moiety X)-type motif 10; diphosphoinositol polyphosphate phosphohydrolase 3-alpha; DIPP3a; hDIPP3alpha; hAps2; DIPP3-alpha; DIPP-3-alpha; nudix motif 10; nucleoside diphosphate-linked moiety X motif 10; diadenosine 5,5-P1,P6-hexaphosphate hydrolase 3-alpha; diphosphoinositol polyphosphate phosphohydrolase type 3 alpha; APS2;
Gene ID	170685
mRNA Refseq	NM_153183
Protein Refseq	NP_694853
MIM	300527

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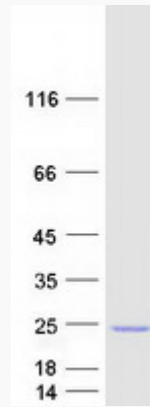
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UniProt ID

Q8NFP7

SDS-PAGE



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