

Recombinant Human NUDT4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUDT4-2144H Lot. No. (See product label)

SPECIFICATION

Product Overview

NUDT4 MS Standard C13 and N15-labeled recombinant protein (NP_061967) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The protein encoded by this gene regulates 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 regulating intracellular trafficking. Several alternatively spliced transcript variants have been described, but the full-length nature of some variants has not been determined. Isoforms DIPP2alpha and DIPP2beta are distinguishable from each other solely by DIPP2beta possessing one additional amino acid due to intron boundary skidding in alternate splicing.

Molecular Mass

20.4 kDa

AA Sequence

MMKFKPNQTRTYDREGFKKRAACLFRSEQEDEVLLVSSSRYPDQWIVPGGGMEP
 EEEPGGAAVREVYEEAGVKGKLGRLLGIFEQNQDRKHRITYVYVLTVTEILEDWEDS
 VNIGRKREWFKVEDAIKVLQCHKPVHAEYLEKLLKLGCS PANGNSTVPSLPDNNALFV
 TAAQTSGLPSSVTRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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	NUDT4 nudix hydrolase 4 [Homo sapiens (human)]
Official Symbol	NUDT4
Synonyms	NUDT4; nudix (nucleoside diphosphate linked moiety X)-type motif 4; diphosphoinositol polyphosphate phosphohydrolase 2; diphosphoinositol polyphosphate phosphohydrolase type 2; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P; KIAA0487; DIPP-2; diadenosine 5,5-P1,P6-hexaphosphate hydrolase 2; DKFZp686I1281;
Gene ID	11163
mRNA Refseq	NM_019094
Protein Refseq	NP_061967
MIM	609229

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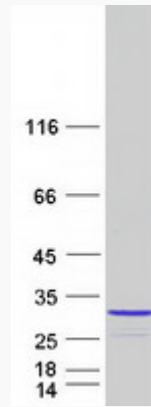
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UniProt ID

Q9NZJ9

SDS-PAGE



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