

## Product datasheet for PH304100

### NUDT4 (NM\_019094) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NUDT4 MS Standard C13 and N15-labeled recombinant protein (NP_061967)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204100
Predicted MW:	20.4 kDa
Protein Sequence:	>RC204100 protein sequence Red=Cloning site Green=Tags(s)  MMKFKPNQTRTYDREGFKKRAACLFRSEQEDEVLLVSSSRYPDQWIVPGGGMEPEEEPGGAAREVYEE AGVKGKLGRLLGIFEQNQDRKHRTYVYVLTVTEILEDWEDSVNIGRKREWFKVEDAIKVLQCHKPVHAEY LEKLLKGCSPANGNSTVPSLPDNNALFVTAQAQTSGLPSSVR  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_061967</a>
RefSeq Size:	4812
RefSeq ORF:	543
Synonyms:	DIPP-2B; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P; NUDT4B
Locus ID:	11163
UniProt ID:	<a href="#">Q9NZJ9</a> , <a href="#">A0A024RBD0</a>



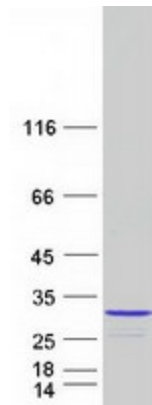
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**Cytogenetics:** 12q22

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified NUDT4 protein (Cat# [TP304100]). The protein was produced from HEK293T cells transfected with NUDT4 cDNA clone (Cat# [RC204100]) using MegaTran 2.0 (Cat# [TT210002]).