

## Product datasheet for **TP304100L**

### **NUDT4 (NM\_019094) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human nudix (nucleoside diphosphate linked moiety X)-type motif 4 (NUDT4), transcript variant 1, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC204100 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MMKFKPNQTRTYDREGFKKRAACLFRSEQEDEVLLVSSSRYPDQWIVPGGGMEPEEPPGGAAREVYEE  
AGVKGKLGRLLGIFEQNQDRKHRTYVYVLTVTEILEDWEDSVNIGRKREWFKVEDAIKVLQCHKPVHAEY  
LEKLLGCSPANGNSTVPSLPDNNALFVTAQAQTSGLPSSVR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 20.1 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

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

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_061967](#)

**Locus ID:** 11163

**UniProt ID:** [Q9NZI9](#)



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RefSeq Size: 4812

Cytogenetics: 12q22

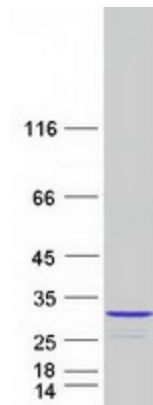
RefSeq ORF: 543

Synonyms: DIPP-2B; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P; NUDT4B

**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]).