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## Product Data Sheet

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Product Name: NUDT4 Human  
 Cat. No.: GP22020  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Diphosphoinositol polyphosphate phosphohydrolase 2; DIPP-2; EC 3.6.1.52; Diadenosine 5';5'''-P1;P6-hexaphosphate hydrolase 2; Nucleoside diphosphate-linked moiety X motif 4; NUDT4; DIPP2; KIAA0487; HDCMB47P; DIPP2beta; DIPP2alpha.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMKFKPN QTRTYDREGF KKRAACLCFR SEQEDEVLLV SSSRYPDQWI VPGGGMEPEE EPGGAAREV YEEAGVKGKL GRLLGIFENQ DRKHRTYVYV LTVTEILEDW EDSVNIGRKR EWFKVEDAIK VLQCHKPVHA EYLEKCLKGC SPANGNSTVP SLPDNNALFV TAAQTSGLPS SVR.		
Formulation	NUDT4 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

### Introduction

Nudix Type Motif 4 (NUDT4) regulates the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates exemplifies a molecular switching activity with significant regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may be a factor in regulating intracellular trafficking.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

NUDT4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 203 amino acids (1-180 a.a) and having a molecular mass of 22.7kDa. NUDT4 is fused to a 23

**Caution: Product has not been fully validated for medical applications. For research use only.**

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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