

**NUDT4, 1-180aa, Human, His tag, E.coli**

**Cat.NO.: TP03230**

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3th Edition

**Synonyms:**Diphosphoinositol polyphosphate phosphohydrolase 2, DIPP2, DIPP2alpha, DIPP2beta, HDCMB47P

**Description:**NUDT4 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. Recombinant human NUDT4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

**Molecular Weight:**22.7kDa (203aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMKFKPNQTRTYDREGFKKRAACLFRSEQEDEVLLVSSSRYPDQWIVPG  
GGMEPEEEPPGGAAREVYEEAGVKGKLGRLGIFENQDRKHRTYVYVLTVTEILEDWEDSVNIGRKREWFKVEDAI  
KVLQCHKPVHAEYLEKLGKSPANGNSTVPSLPDNNALFVTAAQTSGLPSSVR

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.