

## 32-2620: NUDT4 Recombinant Protein

**Alternative Name :** Diphosphoinositol polyphosphate phosphohydrolase 2, DIPP-2, EC 3.6.1.52, Diadenosine 5',5''-P<sub>1</sub>,P<sub>6</sub>-hexaphosphate hydrolase 2, Nucleoside diphosphate-linked moiety X motif 4, NUDT4, DIPP2, KIAA0487, HDCMB47P, DIPP2beta, DIPP2alpha.

### Description

Source : Escherichia Coli. 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 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** NUDT4 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMMKFKPN QTRTYDREGF KKRAACLFR SEQEDEVLLV SSSRYPDQWI VPGGGMEPEE EPGGAAREV YEEAGVKGL GRLLGIFENQ DRKHRTYVYV LTVTEILEDW EDSVNIGRKR EWFKVEDAIK VLQCHKPVHA EYLEKCLKGC SPANGNSTVP SLPDNNALFV TAAQTSGLPS SVR.

