

## 32-2625: NUDT2 Recombinant Protein

**Alternative Name :** nudix (nucleoside diphosphate linked moiety X)-type motif 2, APAH1, Diadenosine 5',5'''-P1,P4-tetraphosphate asymmetrical hydrolase, Diadenosine tetraphosphatase, Nucleoside diphosphate-linked moiety X motif 2, Ap4Aase, EC 3.6.1.17, MGC10404

### Description

Source : Escherichia Coli. NUDT2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 167 amino acids (1-147a.a.) and having a molecular mass of 19.0kDa. NUDT2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NUDT2 belongs to the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. NUDT2 conserves homeostasis by using water to cleave the metabolite NUDT symmetrically back into its original ATP and AMP molecules. In addition, NUDT2 is active towards other adenosine and diadenosine polyphosphates with four or more phosphate groups, however, not towards diadenosine triphosphate. NUDT2 has a role in heat shock and metabolic stress by regulating intracellular dinucleoside polyphosphate concentrations.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The NUDT2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 0.1M NaCl and 10% glycerol.  
**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. Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MALRACGLII FRRCLIPKVD NNAIEFLLLQ ASDGIHHWTP PKGHVEPGED DLETALRETQ EEAGIEAGQL TIIEGFKREL NYVARNPKPT VIYWLAEVKD YDVEIRLSHE HQAYRWLGLE EACQLAQFKE MKAALQEGHQ FLCSIEA

