

## 32-2621: NUDT10 Recombinant Protein

**Alternative Name :**

Diphosphoinositol polyphosphate phosphohydrolase 3-alpha,DIPP-3-alpha,DIPP3-alpha,hDIPP3alpha,Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 3-alpha,Nucleoside diphosphate-linked moiety X motif 10,Nudix motif 10,hAps2,NUDT10,APS2,DIPP3A.

### Description

Source : Escherichia Coli. NUDT10 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 172 amino acids (1-164 a.a.) and having a molecular mass of 19.5kDa.NUDT10 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques. NUDT10 belongs to the Nudix hydrolase family of pyrophosphatases. Nudix hydrolases contain a characteristic Nudix domain and are responsible for catalyzing the hydrolysis of nucleoside diphosphate derivatives. NUDT10 functions as a manganese-dependent polyphosphate phosphohydrolase with an optimum pH of 8.5. NUDT10 protein specifically metabolizes diadenosine-polyphosphates and, to a lesser extent, diphosphoinositol polyphosphates.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg   |
| <b>Purification :</b>      | Greater than 95.0% as determined by SDS-PAGE.   |
| <b>Content :</b>           | NUDT10 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.  |
| <b>Storage condition :</b> | NUDT10 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.  |
| <b>Amino Acid :</b>        | MKCKPNQTRT YDPEGFKKRA ACLCFRSERE DEVLLVSSSR YPDRWIVPGG GMEPEEEPPGG AAVREYEEA GVKGKLGRLG VVFEQNQDPK HRTYVYVLTV TELLEDWEDS VSIGRKREWF KVEDAIVLQ CHKPVHAEYL EKLKLGGSPT NGNSMAPSSP DSDPLEHHHH HH. |