

## NUDT10 Human

**Description:**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.

**Catalog #:**ENPS-133

For research use only.

**Synonyms:**Diphosphoinositol polyphosphate phosphohydrolase 3-alpha, DIPPP-3-alpha, DIPPP3-alpha, hDIPPP3alpha, Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 3-alpha, Nucleoside diphosphate-linked moiety X motif 10, Nudix motif 10, hAps2, NUDT10, APS2, DIPPP3A.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MKCKPNQTRT YDPEGFKKRA ACLCFRSERE DEVLVSSSR  
YPDRWIVPGG GMEPEEEPPG AAVREYEEA GVKGKLGRLL GVFEQNQDPK HRTYVYVLT  
TELLEDWEDS VSIGRKREWF KVEDAIKVLQ CHKPVHAEYL EKLKLGGSPT NGNSMAPSSP  
DSDPLEHHHH HH.

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

NUDT10 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

**Stability:**

NUDT10 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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