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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, 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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MKCKPNQTRT YDPEGFKKRA ACLCFRSERE DEVLLVSSSR YPDRWIVPGG GMEPEEEPGG AAVREVYEEA GVKGKLGRLL GVFEQNQDPK HRTYVYVLTV 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 althoµgh 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 drµgs, 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 diadendosine-polyphosphates and, to a lesser extent, diphosphoinositol polyphosphates.

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