
Product Data Sheet

Product Name: NUDT10 Human
 Cat. No.: GP22021
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MKCKPNQTRT YDPEGFKKRA ACLCFRSERE DEVLLVSSSR YPDRWIVPGG GMEPEEEPPGG AAVREYEEA GVKGKLGRLL GVFEQNQDPK HRTYVYVLTV TELLEDWEDS VSIGRKREWF KVEDAIKVLQ CHKPVHAEYL EKLKLGGSPT NGNSMAPSSP DSDPLEHHHH HH.		
Formulation	NUDT10 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

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.

Stability

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

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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