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32-2628: NUDT5 Recombinant Protein

Alternative Name : hYSAH1,YSA1,YSA1H,ADP-sugar pyrophosphatase,EC=3.6.1.-,EC=3.6.1.13,Nucleoside diphosphate-linked moiety X motif 5,Nudix motif 5,HSPC115.

Description

Source : Escherichia Coli. NUDT5 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 239 amino acids (1-219 a.a.) and having a molecular mass of 26.5 kDa. The NUDT5 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. NUDT5 is part of the nudix hydrolase family which remove toxic nucleotide derivatives from the cell. NUDT5 hydrolyzes ADP-ribose and ADP-mannose in the presence of magnesium, and in addition hydrolyzes nucleotide sugars with decreasing activity such as ADP-glucose and diadenosine diphosphate. As a nudix hydrolase, NUDT5 holds a central nudix motif and functions to eliminate toxic nucleotide metabolites from the cell while maintaining the levels of signaling nucleotides. NUDT5 is broadly expressed but is most abundant in liver as a homodimer.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	NUDT5 Human 1mg/ml solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl & 10% glycerol.
Storage condition :	NUDT5 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MESQEPTESS QNGKQYIISE ELISEGKWVK LEKTTYMDPT GKTRTWESVK RTTRKEQTAD GVAVIPVLQR TLHYECIVLV KQFRPPMGGY CIEFPAGLID DGETPEAAAL RELEEETGYK GDIAECSPAV CMDPGLSNCT IHIVTVTING DDAENARPKP KPGDGEFVEV ISLPKNDLLQ RLDALVAEEH LTVDARVYSY ALALKHANAK PFEVPFLKF.

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