

AR09570PU-N

Human NUDT5 (1-219, His-tag) - Purified

Alternate names:	ADP-sugar pyrophosphatase, Nucleoside diphosphate-linked moiety X motif 5, Nudix motif 5, YSA1H
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	NUDT5 is a member of the nudix hydrolase family which eliminate toxic nucleotide derivatives from the cell. NUDT5 hydrolyzes ADP-ribose and ADP-mannose in the presence of magnesium, and also hydrolyzes other nucleotide sugars with low activity such as ADP-glucose and diadenosine diphosphate. As a nudix hydrolase, NUDT5 contains a central nudix motif and functions to eliminate toxic nucleotide metabolites from the cell while maintaining the levels of signaling nucleotides. NUDT5 is widely expressed but is most abundant in liver as a homodimer.
Uniprot ID:	Q9UUK9
NCBI:	NP_054861
GeneID:	11164
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS – PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1 M NaCl
Description:	Recombinant human NUDT5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MESQEPTSS QNGKQYIIE ELISEGKWK LEKTTYMDPT GKTRTWESVK RTTRKEQTAD GVAVIPVLQR TLHYECIVLV KQFRPPMGY CIEFPAGLID DGETPEAAAL RELEEETGYK GDIAECSPAV CMDPGLSNCT IHIVTVTING DDAENARPKP KPGDGEFVEV ISLPKNDLLQ RLDALVAEEH LTV DARVYSY ALALKHANAK PFEVPFLKF Molecular weight: 26.5 kDa (239aa), confirmed by MALDI-TOF (real molecular weight on SDS-PAGE will be shift up).
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Yu HN., et al. (2007) Biochem Biophys Res Commun. 354(3):764-8.

Pictures:

Recombinant human NUDT5, 1-219 aa,
His-tagged

