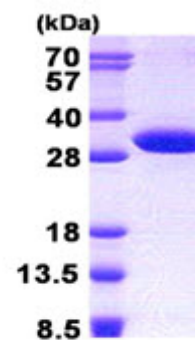


AR50789PU-N

Human NUDT14 / UGPP (1-222, His-tag) - Purified

Alternate names:	UDPG pyrophosphatase, UGPPase, Uridine diphosphate glucose pyrophosphatase
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	Uridine diphosphate glucose pyrophosphatase, also known as NUDT14, is a 222 amino acid cytoplasmic protein that contains one nudix hydrolase domain and belongs to the nudix hydrolase family. NUDT14 hydrolyzes ADP-ribose into ribose 5-phosphate and AMP, and UDP-glucose to glucose 1-phosphate and UMP. Existing as a homodimer, NUDT14 binds magnesium as a cofactor and is encoded by a gene located on human chromosome 14.
Uniprot ID:	O95848
NCBI:	NP_803877
GeneID:	256281
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human NUDT14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMERIEGA SVGRCAASPY LRPLTLHYRQ NGAQKSWDFM KTHDSVTVLL FNSSRRSLVL VKQFRPAVYA GEVERRFPGS LAAVDQDGPR ELQPALPGSA GVTVELCAGL VDQPGLSLEE VACKEAWEEC GYHLAPSDLR RVATYWSGVG LTGSRQTMFY TEVTDAQRSG PGGGLVEEGE LIEVVHLPLE GAQAFADDPD IPKTLGVIFG VSWFLSQVAP NLDLQ Molecular weight: 26.5 kDa (245aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Yagi T., et al. (2003) Biochem J. 370:409-415Heyen C A., et al. (2009) Biochem Biophys Res Commun. 390: 1414-1418.

Pictures:



15% SDS-PAGE (3ug)