

Recombinant Human NUDT14, His-tagged

Cat. No. NUDT14-7521H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NUDT14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-222aa
Antigen Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	26.5 kDa (245aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMERIEGA SVGRCAASPY LRPLTLHYRQ NGAQKSWDFM KTHDSVTVLL FNSSRRSLVL VKQFRPAVYA GEVERRFPGS LAAVDQDGPR ELQPALPGSA GVTVELCAGL VDQPGLSLEE VACKEAWEEC GYHLAPSDLR RVATYWSGVG LTGSRQTMFY TEVTDAQRSG PGGGLVEEGE

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LIEVVHLPLE GAQAFADDPD IPKTLGVIFG VSWFLSQVAP NLDLQ

Purity >95% as determined by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name [NUDT14?nudix \(nucleoside diphosphate linked moiety X\)-type motif 14 \[?Homo sapiens?\]](#)

Official Symbol NUDT14

Synonyms NUDT14; UGPP; UGPPase; uridine diphosphate glucose pyrophosphatase; UDPG pyrophosphatase; UDP-sugar diphosphatase; nudix (nucleoside diphosphate linked moiety X)-type motif 14; nucleoside diphosphate linked moiety X-type motif 14; Nucleoside diphosphate-linked moiety X motif 14; Nudix motif 14; EC 3.6.1.45

Gene ID [256281](#)

mRNA Refseq [NM_177533](#)

Protein Refseq [NP_803877](#)

MIM [609219](#)

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UniProt ID	O95848
Chromosome Location	14q32.33
Function	UDP-sugar diphosphatase activity; metal ion binding; protein binding

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