

Recombinant Human NUDT16, His-tagged

Cat. No. NUDT16-954H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NUDT16 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
Description	NUDT16 is nuclear nucleoside diphosphatase proteins localized within foci in the nucleolus and nucleoplasm. This is a RNA-decapping enzyme that binds specifically to U8 snoRNA. It can remove m7G and m227G caps from RNAs, rendering them substrates for 5'-3' exonucleases for degradation in vivo.
Form	Liquid. In Phosphate Buffered Saline pH7.4 containing 10% glycerol.
Molecular Weight	23.4kDa (215aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAGARRLELG EALALGSGWR HACHALLYAP DPGMLFGRIP LRYAILMQMR FDGRLGFPGG FVDTQDRSLE DGLNRELREE LGEAAAAFRV ERTDYRSSHV GSGPRVVAHF YAKRLTLEEL LAVEAGATRA KDHGLEVLGL VRVPLYTLRD GVGGLPTFLE NSFISAREQ LLEALQDLGL LQSGSISGLK IPAHH.

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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.

GENE INFORMATION
Gene Name

NUDT16 nudix (nucleoside diphosphate linked moiety X)-type motif 16 [Homo sapiens]

Synonyms

nudix (nucleoside diphosphate linked moiety X)-type motif 16; FLJ31265; FLJ34034; FLJ36248; NUDT16; U8 snoRNA-decapping enzyme; nudix motif 16; U8 snoRNA-binding protein H29K; nucleoside diphosphate-linked moiety X motif 16; EC 3.6.1

Gene ID

131870

mRNA Refseq

NM_152395

Protein Refseq

NP_689608

UniProt ID

Q96DE0

**Chromosome
Location**

3q22.1

Function

RNA binding; hydrolase activity; metal ion binding

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