

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 LGEAAAFRV ERTDYRSSHV GSGPRVVAHF YAKRLTLEEL LAVEAGATRA KDHGLEVLGL VRVPLYTLRD GVGGLPTFLE NSFIGSAREQ 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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