

AR09808PU-L**Human NUDT16 (1-195, His-tag) - Purified****Alternate names:**

* Nucleoside diphosphate-linked moiety X motif 16, Nudix motif 16, U8 snoRNA-binding protein H29K, U8 snoRNA-decapping enzyme

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q96DE0](#)

NCBI:

[NP_689608](#)

GeneID:

[131870](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 100mM NaCl

Description:

Recombinant human NUDT16 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAGARRLELG EALALGSGWR HACHALLYAP DPGMLFGRIP
LRYAILMQMR FDGRLGFPPG FVDTQDRSLE DGLNRELREE LGEAAAAFRV ERTDYRSSHV
GSGPRVVAHF YAKRLTLEEL LAVEAGATRA KDHGLEVLGL VRVPLYTLRD GVGGLPTFLE
NSFIGSAREQ LLEALQDLGL LQSGSISGLK IPAHH

Molecular weight: 23.4 kDa (215aa), confirmed by MALDI-TOF

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.

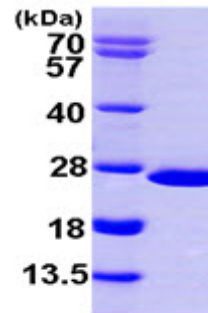
General Readings:

Peculis B.A., et al. (2007) J. Biol. Chem. 282:24792-24805.

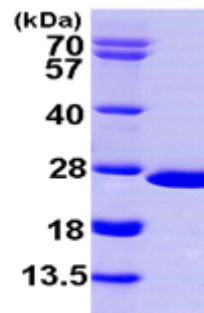
Ghosh T., et al. (2004) Mol. Cell 13:817-828.

Pictures:

Recombinant human NUDT16, 1-195aa,
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)