

## NUDT16 Human

**Description:**NUDT16 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 215 amino acids (1-195a.a.) and having a molecular mass of 23.4kDa.NUDT16 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**ENPS-060

For research use only.

**Synonyms:**Nudix (nucleoside diphosphate linked moiety X)-Type Motif 16, FLJ31265, FLJ34034, FLJ36248, U8 snoRNA-binding protein H29K, U8 snoRNA-decapping enzyme.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MAGARRLELG EALALGSGWR  
HACHALLYAP DPGMLFGRIP LRYAILMQMR FDGRLGFPGG FVDTQDRSLE DGLNRELREE  
LGEAAAFRV ERTDYRSSHV GSGPRVVAHF YAKRLTLEEL LAVEAGATRA KDHGLEVLGL  
VRVPLYTLRD GVGGLPTFLE NSFISAREQ LLEALQDLGL LQSGSISGLK IPAHH

**Purity:**Greater than 95% as determined by SDS-PAGE.

### Formulation:

The NUDT16 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 100mM NaCl and 10% glycerol.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

NUDT16 is nuclear nucleoside diphosphatase proteins restricted in foci in the nucleolus and nucleoplasm. NUDT16 is a RNA-decapping enzyme. It binds specifically to U8 snoRNA and can remove m7G and m227G caps from RNAs, rendering them substrates for 5-3 exonucleases for degradation in vivo.

### Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.

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