

NUDT16, 1-195aa, Human, His tag, E.coli

Cat.NO.: TP03225

3th Edition

Synonyms:Nudix type motif 16

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

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol,1mM DTT, 100mM NaCl

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMAGARRLELGEALALGSGWRHACHALLYAPDPGMLFGRIPLRYAILMQMRFDGR
LGFPGGFVDTQDRSLEDGLNRELREELGEAAAFRVERTDYRSSHVGS GPRVVAHFYAKRLTLEELLAVEAGATR
AKDHGLEVLGLVRVPLYTLRDGVGGLPTFLENSFIGSAREQLLEALQDLGLLQSGSISGLKIPAHH

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.