

NUDT2, 1-147aa, Human, His tag, E.coli

Cat.NO.: TP03227

3th Edition

Synonyms: bis(5'-nucleosyl)-tetrphosphatase [asymmetrical]. APAH1, MGC10404.

Description: NUDT2 is a member of the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. This protein maintains homeostasis by using water to cleave the metabolite NUDT symmetrically back into its original ATP and AMP molecules. NUDT2 is also active towards other adenosine and diadenosine polyphosphates with four or more phosphate groups, but not towards diadenosine triphosphate.

Form: Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

Molecular Weight: 19.0 kDa (167aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMALRACGLIIFRRCLIPKVDNNAIEFLLLQASDGIHHWTPPKGHVEPGEDDLETALR
ETQEEAGIEAGQLTIIEGFKRELNYVARNKPKTVIYWLAEVKDYDVEIRLSHEHQAYRWLGLEEACQLAQFKEMKAA
LQEGHQFLCSIEA

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.