

Product information



NUDT2, 1-147 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0890

Full name: bis(5'-nucleosyl)-tetrphosphatase [asymmetrical].

NCBI Accession No.: NP_671702

Synonyms: APAH1, MGC10404.

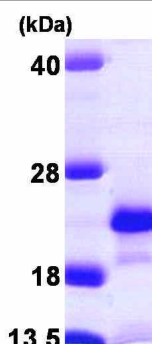
Description: NUDT2 is a member of the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. This protein maintains homeostasis by using water to cleave the metabolite NUDT symmetrically back into its original ATP and AMP molecules. NUDT2 is also active towards other adenosine and diadenosine polyphosphates with four or more phosphate groups, but not towards diadenosine triphosphate. NUDT2 is involved in heat shock and metabolic stress by regulating intracellular dinucleoside polyphosphate concentrations. Recombinant NUDT2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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

Purity: > 90 % by SDS – PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MALRACGLII FRRCLIPKVD NNAIEFLLLQ ASDGIHHWTP PKGHVEPGED DLETALRETQ EEAGIEAGQL
TIIIEGFKREL NYVARNPKPT VIYWLAEVKD YDVEIRLSHE HQAYRWLGLE EACQLAQFKE MKAALQEGHQ FLCSTEA

General references:

Swarbrick JD., *et al.* (2005) *J Biol Chem.* 280(9):8471-81.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.