

NUDT2 Human

Description:NUDT2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 167 amino acids (1-147a.a.) and having a molecular mass of 19.0kDa.NUDT2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-070

For research use only.

Synonyms:nudix (nucleoside diphosphate linked moiety X)-type motif 2, APAH1, Diadenosine 5',5'''-P1,P4-tetraphosphate asymmetrical hydrolase, Diadenosine tetraphosphatase, Nucleoside diphosphate-linked moiety X motif 2, Ap4Aase, EC 3.6.1.17, MGC10404, Ap4A hydrolase

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MALRACGLII FRRCLIPKVD
NNAIEFLLQ ASDGIHHWTP PKGHVEPGED DLETALRETQ EEAGIEAGQL TIIEGFKREL
NYVARNPKPT VIYWLAEVKD YDVEIRLSHE HQAYRWLGL EACQLAQFKE MKAALQEGHQ
FLCSIEA

Purity:Greater than 90% as determined by SDS-PAGE.

Formulation:

The NUDT2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 0.1M 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:

NUDT2 belongs to the MutT family of nucleotide pyrophosphatases, a subset of the larger NUDIX hydrolase family. NUDT2 conserves homeostasis by using water to cleave the metabolite NUDT symmetrically back into its original ATP and AMP molecules. In addition, NUDT2 is active towards other adenosine and diadenosine polyphosphates with four or more phosphate groups, however, not towards diadenosine triphosphate. NUDT2 has a role in heat shock and metabolic stress by regulating intracellular dinucleoside polyphosphate concentrations.

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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