

Product datasheet for TP501165

Nudt1 (NM_008637) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse nudix (nucleoside diphosphate linked moiety X)-type motif 1 (Nudt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR201165 protein sequence
Red=Cloning site Green=Tags(s)

MSTSRLYTLVLVLPQRVLLGMKKRFGAGRWNGFGGKVQEGETIEDGAKRELLEESGLSVDTLHKVGHISFEFVGSPELMDVHIFSADHVHGTPTSEEMRPQWFQLDQIPFADMWPDDSYWFPLLLQKKKFCGHFKFQDQDTILSYSLREVDSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 18.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_032663](#)

Locus ID: 17766

UniProt ID: [P53368](#)

RefSeq Size: 939

Cytogenetics: 5 G2



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RefSeq ORF: 471

Synonyms: Mth1

Summary: Antimutagenic (PubMed:11572992). Plays a redundant role in sanitizing oxidized nucleotide pools, such as 8-oxo-dGTP pools (PubMed:29281266). Acts as a sanitizing enzyme for oxidized nucleotide pools, thus suppressing cell dysfunction and death induced by oxidative stress. Hydrolyzes 8-oxo-dGTP, 8-oxo-dATP and 2-OH-dATP, thus preventing misincorporation of oxidized purine nucleoside triphosphates into DNA and subsequently preventing A:T to C:G and G:C to T:A transversions. Able to hydrolyze also the corresponding ribonucleotides, 2-OH-ATP, 8-oxo-GTP and 8-oxo-ATP (By similarity). Does not play a role in U8 snoRNA decapping activity (PubMed:21070968). Binds U8 snoRNA (PubMed:21070968).[UniProtKB/Swiss-Prot Function]