

Recombinant Mouse Nudt18 Protein, Myc/DDK-tagged

Cat. No. Nudt18-4538M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nudix (nucleoside diphosphate linked moiety X)-type motif 18 (cDNA clone MGC:38179 IMAGE:5322150), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mediates the hydrolysis of oxidized nucleoside diphosphate derivatives. Hydrolyzes 8-oxo-7,8-dihydroguanine (8-oxo-Gua)-containing deoxyribo- and ribonucleoside diphosphates to the monophosphates. Hydrolyzes 8-oxo-dGDP and 8-oxo-GDP with the same efficiencies. Hydrolyzes also 8-OH-dADP and 2-OH-dADP. Exhibited no or minimal hydrolysis activity against 8-oxo-dGTP, 8-oxo-GTP, dGTP, GTP, dGDP and GDP. Probably removes oxidized guanine nucleotides from both the DNA and RNA precursor pools.
Molecular Mass	27.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Nudt18 nudix (nucleoside diphosphate linked moiety X)-type motif 18 [*Mus musculus* (house mouse)]

Official Symbol Nudt18

Synonyms Nudt18; nudix (nucleoside diphosphate linked moiety X)-type motif 18; BC036718; 8-oxo-dGDP phosphatase NUDT18; 2-hydroxy-dADP phosphatase; 7,8-dihydro-8-oxoguanine phosphatase; mutT homolog 3; EC 3.6.1.58

Gene ID 213484

mRNA Refseq NM_153136

Protein Refseq NP_694776

UniProt ID Q3U2V3

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