

Recombinant Mouse Nudt4 Protein, Myc/DDK-tagged

Cat. No. Nudt4-4542M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nudix (nucleoside diphosphate linked moiety X)-type motif 4 (Nudt4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate), PP-InsP4 and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction. Also able to catalyze the hydrolysis of dinucleoside oligophosphate Ap6A, but not Ap5A. The major reaction products are ADP and p4a from Ap6A. Also able to hydrolyze 5-phosphoribose 1-diphosphate. Does not play a role in U8 snoRNA decapping activity. Binds U8 snoRNA.
Molecular Mass	20.2 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 [Nudt4 nudix \(nucleoside diphosphate linked moiety X\)-type motif 4 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Nudt4](#)

Synonyms [NUDT4](#); [nudix \(nucleoside diphosphate linked moiety X\)-type motif 4](#); [diphosphoinositol polyphosphate phosphohydrolase 2](#); [DIPP-2](#); [nudix motif 4](#); [nucleoside diphosphate-linked moiety X motif 4](#); [diadenosine 5,5-P1,P6-hexaphosphate hydrolase 2](#); [DIPP2](#); [HDCMB47P](#); [DIPP2beta](#); [DIPP2alpha](#); [4933436C10Rik](#)

Gene ID [71207](#)

mRNA Refseq [NM_027722](#)

Protein Refseq [NP_081998](#)

UniProt ID [Q8R2U6](#)

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