

Recombinant Mouse Nudt11 Protein, Myc/DDK-tagged

Cat. No. Nudt11-4533M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nudix (nucleoside diphosphate linked moiety X)-type motif 11 (Nudt11), 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), suggesting that it may play a role in signal transduction. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate; however, the relevance of such activity in vivo remains unclear.
Molecular Mass	19 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	Nudt11 nudix (nucleoside diphosphate linked moiety X)-type motif 11 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Nudt11
Synonyms	Nudt11; nudix (nucleoside diphosphate linked moiety X)-type motif 11; DI; DIP; DIPP3; DIPP3b; Dipp3a; Nudt10; diphosphoinositol polyphosphate phosphohydrolase 3-beta; DIPP-3-alpha; DIPP-3-beta; DIPP3-alpha; DIPP3-beta; Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 3-alpha; Diphosphoinositol polyphosphate phosphohydrolase 3-alpha; Nucleoside diphosphate-linked moiety X motif 10; Nudix motif 10; diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 3-beta; diadenosine hexaphosphate hydrolase (AMP-forming); nucleoside diphosphate-linked moiety X motif 11; nudix motif 11; nudix-type motif 11; EC 3.6.1.52; EC 3.6.1.60
Gene ID	58242
mRNA Refseq	NM_021431
Protein Refseq	NP_067406
UniProt ID	P0C027

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