

Product datasheet for **TP501319**

Nudt11 (NM_021431) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse nudix (nucleoside diphosphate linked moiety X)-type motif 11 (Nudt11), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | A DNA sequence from Mouse cDNA ORF Clone, MR201319, encoding Mouse full-length Nudt11. |
| Tag: | C-MYC/DDK |
| Predicted MW: | 19 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_067406 |
| Locus ID: | 58242 |
| UniProt ID: | P0C027 |
| RefSeq Size: | 2649 |
| Cytogenetics: | X A1.1 |
| RefSeq ORF: | 492 |
| Synonyms: | DIPP3; DIPP3b |



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Summary:

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.[UniProtKB/Swiss-Prot Function]