

Recombinant Human NUDT3 cell lysate

Cat. No. NUDT3-1227HCL Lot. No. (See product label)

SPECIFICATION

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| Species | Human |
| Description | NUDT3 belongs to the MutT, or Nudix, protein family. Nudix proteins act as homeostatic checkpoints at important stages in nucleoside phosphate metabolic pathways, guarding against elevated levels of potentially dangerous intermediates, like 8-oxo-dGTP, which promotes AT-to-CG transversions (Safrany et al., 1998 [PubMed 9822604]). |
| Size | 100 ul |
| Storage Buffer | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| Applications | Western Blot; |

GENE INFORMATION

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| Gene Name | NUDT3 nudix (nucleoside diphosphate linked moiety X)-type motif 3 [Homo sapiens] |
| Official Symbol | NUDT3 |
| Synonyms | NUDT3; nudix (nucleoside diphosphate linked moiety X)-type motif 3; diphosphoinositol polyphosphate phosphohydrolase 1; DIPP; nudix motif 3; nucleoside diphosphate-linked moiety X motif 3; diadenosine 5,5-P1,P6-hexaphosphate hydrolase 1; DIPP1; DIPP-1; |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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| Gene ID | 11165 |
| mRNA Refseq | NM_006703 |
| Protein Refseq | NP_006694 |
| MIM | 609228 |
| UniProt ID | O95989 |
| Chromosome Location | 6p21.2 |
| Function | diphosphoinositol-polyphosphate diphosphatase activity; hydrolase activity; inositol diphosphate tetrakisphosphate diphosphatase activity; inositol-1,5-bisdiphosphate-2,3,4,6-tetrakisphosphate 1-diphosphatase activity; inositol-1,5-bisdiphosphate-2,3,4,6-tetrakisphosphate 5-diphosphatase activity; inositol-1-diphosphate-2,3,4,5,6-pentakisphosphate diphosphatase activity; inositol-3,5-bisdiphosphate-2,3,4,6-tetrakisphosphate 5-diphosphatase activity; inositol-3-diphosphate-1,2,4,5,6-pentakisphosphate diphosphatase activity; inositol-5-diphosphate-1,2,3,4,6-pentakisphosphate diphosphatase activity; magnesium ion binding; |

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