

Recombinant Human NUDT10 293 Cell Lysate

Cat. No. NUDT10-3654HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for nudix (nucleoside diphosphate linked moiety X)-type motif 10 (NUDT10) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NUDT10 nudix (nucleoside diphosphate linked moiety X)-type motif 10 [Homo sapiens]

Official Symbol

NUDT10

Synonyms

NUDT10; nudix (nucleoside diphosphate linked moiety X)-type motif 10; diphosphoinositol polyphosphate phosphohydrolase 3-alpha; DIPP3a; hDIPP3alpha; hAps2; DIPP3-alpha; DIPP-3-alpha; nudix motif 10; nucleoside diphosphate-linked moiety X motif 10; diadenosine 5,5-P1,P6-hexaphosphate hydrolase 3-alpha; diphosphoinositol polyphosphate phosphohydrolase type 3 alpha; APS2;

Gene ID

170685

mRNA Refseq

NM_153183

Protein Refseq

NP_694853

MIM

300527

UniProt ID

Q8NFP7

Chromosome Location

Xp11.22-p11.1

Function

diphosphoinositol-polyphosphate diphosphatase activity; hydrolase activity; inositol

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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; metal ion binding;

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