

Recombinant Human NET1 293 Cell Lysate

Cat. No. NET1-3873HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for neuroepithelial cell transforming 1 (NET1), transcript variant 2 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.

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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

NET1 neuroepithelial cell transforming 1 [Homo sapiens]

Official Symbol

NET1

Synonyms

NET1; neuroepithelial cell transforming 1; neuroepithelial cell-transforming gene 1 protein; ARHGEF8; NET1A; proto-oncogene p65 Net1; p65 Net1 proto-oncogene protein; small GTP-binding protein regulator; neuroepithelioma transforming gene 1; neuroepithelial cell transforming gene 1; rho guanine nucleotide exchange factor 8; Rho guanine nucleotide exchange factor (GEF) 8; guanine nucleotide regulatory protein (oncogene);

Gene ID

10276

mRNA Refseq

NM_001047160

Protein Refseq

NP_001040625

MIM

606450

UniProt ID

Q7Z628

**Chromosome
Location**

10p15

Pathway

Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G

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alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem;

Function

Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity;

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