

Recombinant Human NAE1 293 Cell Lysate

Cat. No. NAE1-3984HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for NEDD8 activating enzyme E1 subunit 1 (NAE1), transcript variant 3 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [NAE1 NEDD8 activating enzyme E1 subunit 1 \[Homo sapiens \]](#)

Official Symbol NAE1

Synonyms

NAE1; NEDD8 activating enzyme E1 subunit 1; amyloid beta precursor protein binding protein 1 , amyloid beta precursor protein binding protein 1, 59kDa , amyloid beta precursor protein binding protein 1, 59kD , APPBP1; NEDD8-activating enzyme E1 regulatory subunit; NEDD8 activating enzyme E1 subunit; ula 1; APP-BP1; protooncogene protein 1; proto-oncogene protein 1; amyloid protein-binding protein 1; NEDD8-activating enzyme E1 subunit; amyloid beta precursor protein-binding protein 1, 59kD; amyloid beta precursor protein binding protein 1, 59kDa; amyloid beta precursor protein-binding protein 1, 59 kDa; HPP1; ula-1; APPBP1; A-116A10.1;

Gene ID [8883](#)

mRNA Refseq [NM_001018159](#)

Protein Refseq [NP_001018169](#)

MIM [603385](#)

UniProt ID [Q13564](#)

Chromosome Location 16q22

Pathway [Alzheimers disease, organism-specific biosystem](#); [Alzheimers disease, conserved](#)

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biosystem;

Function

contributes_to NEDD8 activating enzyme activity; catalytic activity; nucleotide binding; protein binding; protein heterodimerization activity;

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