Recombinant Human PSENEN 293 Cell Lysate

Cat. No. PSENEN-2789HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for presenilin enhancer 2 homolog (C. elegans) (PSENEN) 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	PSENEN presenilin enhancer 2 homolog (C. elegans) [Homo sapiens]
Official Symbol	PSENEN
Synonyms	PSENEN; presenilin enhancer 2 homolog (C. elegans); gamma-secretase subunit PEN-2; PEN2; hematopoietic stem/progenitor cells protein MDS033; PEN-2; MDS033; MSTP064;
Gene ID	55851
mRNA Refseq	NM_172341
Protein Refseq	NP_758844
MIM	607632
UniProt ID	Q9NZ42
Chromosome Location	19q13.12
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; NRIF

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	signals cell death from the nucleus, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem;
Function	aspartic-type endopeptidase activity; endopeptidase activity; peptidase activity; protein binding;

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