

Recombinant Human AES 293 Cell Lysate

Cat. No. AES-8991HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for amino-terminal enhancer of split (AES), 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	AES amino-terminal enhancer of split [Homo sapiens]
Official Symbol	AES
Synonyms	AES; amino-terminal enhancer of split; GRG5; TLE5; gp130-associated protein GAM; GRG; ESP1; AES-1; AES-2;
Gene ID	166
mRNA Refseq	NM_001130
Protein Refseq	NP_001121
MIM	600188
UniProt ID	Q08117
Chromosome Location	19p13.3
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Presenilin action in Notch and Wnt signaling, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;

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Function

protein binding; transcription corepressor activity; transcription corepressor activity;
transcription corepressor activity;

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