Recombinant Human ADSS 293 Cell Lysate

Cat. No. ADSS-8994HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for adenylosuccinate synthase (ADSS) 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	ADSS adenylosuccinate synthase [Homo sapiens]
Official Symbol	ADSS
Synonyms	ADEH; ADSS 2
Gene ID	159
mRNA Refseq	NM_001126.3
Protein Refseq	NP_001117.2
MIM	103060
UniProt ID	P30520
Chromosome Location	1q44
Pathway	Adenine ribonucleotide biosynthesis, IMP => ADP,ATP, organism-specific biosystem;Adenine ribonucleotide biosynthesis, IMP => ADP,ATP, conserved biosystem;Alanine, aspartate and glutamate metabolism, organism-specific biosystem;Alanine, aspartate and glutamate metabolism, conserved biosystem;Metabolism, organism-specific biosystem;

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Function	GTP binding;adenylosuccinate synthase activity;adenylosuccinate synthase activity;magnesium ion binding;phosphate ion binding;

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