Recombinant Human COASY 293 Cell Lysate

Cat. No. COASY-7387HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for Coenzyme A synthase (COASY), nuclear gene encoding mitochondrial protein, transcript variant 1 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	COASY CoA synthase [Homo sapiens]
Official Symbol	COASY
Synonyms	COASY; CoA synthase; Coenzyme A synthase; bifunctional coenzyme A synthase; CoASY; DPCK; NBP; PPAT; nucleotide binding protein; phosphopantetheine adenylyltransferase / dephosphocoenzyme A kinase; bifunctional phosphopantetheine adenylyl transferase/dephospho CoA kinase; UKR1; pOV-2; FLJ35179;
Gene ID	80347
mRNA Refseq	NM_025233
Protein Refseq	NP_079509
MIM	609855
UniProt ID	Q13057
Chromosome Location	17q12-q21
Pathway	Coenzyme A biosynthesis, organism-specific biosystem; Coenzyme A biosynthesis, pantothenate =>CoA, organism-specific biosystem; Coenzyme A biosynthesis,

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	pantothenate => CoA, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	ATP binding; dephospho-CoA kinase activity; nucleotide binding; nucleotidyltransferase activity; pantetheine-phosphate adenylyltransferase activity; transferase activity;

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