

Recombinant Human ACSM5 293 Cell Lysate

Cat. No. ACSM5-9069HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for acyl-CoA synthetase medium-chain family member 5 (ACSM5) 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

 Tel: 1-631-559-9269 1-516-512-3133

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

GENE INFORMATION

Gene Name	ACSM5 acyl-CoA synthetase medium-chain family member 5 [Homo sapiens]
Official Symbol	ACSM5
Synonyms	ACSM5; acyl-CoA synthetase medium-chain family member 5; acyl-coenzyme A synthetase ACSM5, mitochondrial; FLJ20581;
Gene ID	54988
mRNA Refseq	NM_017888
Protein Refseq	NP_060358
MIM	614361
UniProt ID	Q6NUN0
Chromosome Location	16p12.3
Pathway	Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	ATP binding; GTP binding; butyrate-CoA ligase activity; ligase activity; metal ion binding; nucleotide binding;

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