

Recombinant Human AMACR 293 Cell Lysate

Cat. No. AMACR-8888HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for alpha-methylacyl-CoA racemase (AMACR), 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	AMACR alpha-methylacyl-CoA racemase [Homo sapiens]
Official Symbol	AMACR
Synonyms	AMACR; alpha-methylacyl-CoA racemase; RACE; 2-methylacyl-CoA racemase; RM; CBAS4; AMACRD;
Gene ID	23600
mRNA Refseq	NM_001167595
Protein Refseq	NP_001161067
MIM	604489
UniProt ID	Q9UHK6
Chromosome Location	5p13.2-q11.1
Pathway	Beta-oxidation of pristanoyl-CoA, organism-specific biosystem; Bile acid and bile salt metabolism, organism-specific biosystem; Bile acid biosynthesis, cholesterol =>cholate, organism-specific biosystem; Bile acid biosynthesis, cholesterol => cholate, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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Function

alpha-methylacyl-CoA racemase activity; isomerase activity;

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