

Recombinant Human Alpha-methylacyl-CoA Racemase

Cat. No. AMACR-102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human p504s protein expressed in <i>E.coli</i> encodes full length amino acids.
Species	Human
Source	<i>E.coli</i>
Description	p504s / AMACR α -methyl-CoA Racemase is an essential enzyme in the β -oxidation of branched-chain fatty acids. High expression of p504s protein is found in prostatic adenocarcinoma but not in benign prostate tissue by immunohistochemical staining in paraffin-embedded tissue. The expression of p504s is also detected in two premalignant lesions of the prostate: high-grade prostatic intraepithelial neoplasia (PIN) and atypical adenomatous hyperplasia.
Formulation	5x2g/20 μ l purified human p504s protein at 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.
Application And Suggested dilutions	•ELISA •Inhibition Assays •Western Blotting
Characterization	p504s antibody reactive.
Activity	Not known.
Storage & stability	Store vial at -20°C to -80°C. When stored at the recommended temperature, this

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protein is stable for 12 months.

Full Length

Full L.

GENE INFORMATION

Gene Name

AMACR alpha-methylacyl-CoA racemase [Homo sapiens]

Synonyms

AMACR; RACE; CBAS4; alpha-methylacyl-CoA racemase; EC 5.1.99.4; 2-methylacyl-CoA racemase

Gene ID

23600

mRNA Refseq

NM_014324

Protein Refseq

NP_055139

MIM

604489

UniProt ID

Q9UHK6

**Chromosome
Location**

5p13

Pathway

Metabolic pathways; Primary bile acid biosynthesis; Metabolism of lipids and lipoproteins

Function

alpha-methylacyl-CoA racemase activity; isomerase activity

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