

## Human AMACR / RACE - Purified

<b>Alternate names:</b>	2-methylacyl-CoA racemase, Alpha-methylacyl-CoA racemase, P504S
<b>Catalog No.:</b>	AR10148PU-L
<b>Quantity:</b>	10 µg
<b>Concentration:</b>	0.1mg/ml
<b>Background:</b>	<p>P504s / AMACR a-methyl-CoA Racemase is an essential enzyme in the β-oxidation of branched-chain fatty acids, it is responsible for the conversion of pristanoyl-CoA and C27-bile acyl-CoAs to their (S)-stereoisomers, which are the only stereoisomers that can be degraded via peroxisomal beta-oxidation. 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.</p>
<b>Uniprot ID:</b>	<a href="#">Q9UHK6</a>
<b>NCBI:</b>	<a href="#">NP_055139.4</a>
<b>GeneID:</b>	<a href="#">23600</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Sterile Filtered clear solution. <b>Buffer System:</b> 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol.
<b>Applications:</b>	<b>ELISA.</b> <b>Inhibition Assays.</b> <b>Western Blotting.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Description:</b>	Recombinant Human P504s full length protein expressed in <i>E.coli</i> , P504s is antibody reactive. The P504s is purified by proprietary chromatographic techniques.
<b>Storage:</b>	Store the antigen at -20°C to -80°C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.