



Product Datasheet

Product Name	p504s / AMACR Protein Human Recombinant
Cata No	CB500931
Source	<i>Escherichia Coli</i> .
Synonyms	Alpha-methylacyl-CoA racemase, EC 5.1.99.4, 2-methylacyl-CoA racemase, AMACR, RACE, P504s.

Description

P504s / AMACR a-methyl-CoA Racemase is an essential enzyme in the b-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.

P504s Human Recombinant full length protein expressed in E.coli, P504s is antibody reactive. The P504s is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

P504s at 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol.

Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

Please prevent freeze-thaw cycles.

Applications

- ELISA
- Inhibition Assays
- Western Blotting