

Recombinant Human Alpha-Methylacyl-CoA Racemase (P504S/AMACR)

Certificate of Analysis and Data Sheet

➤ Source: E.Coli	➤ Catalog No. PRO-310
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➤ **Background:**

Alpha-Methylacyl-CoA Racemase (AMACR), also known as P504S, is a recently identified molecular marker for prostate cancer. The expression of AMACR/P504S has also been observed in high-grade prostatic intraepithelial neoplasia (PIN), a precursor lesion of prostate cancer. P504S / AMACR / α -Methylacyl-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.

➤ **Description :**

Recombinant AMACR is purified by proprietary chromatographic techniques.

➤ **Physical Appearance:**

Sterile filtered liquid.

➤ **Formulation:**

100 μ g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.

➤ **Stability:**

Store vial at -20C° to -80C°. When stored at the recommended temperature, recombinant p504s/AMACR is stable for 12 months.

Please avoid freeze-thaw cycles.

➤ **Purity:**

Greater than 90.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by reducing and non-reducing SDS-PAGE coomassie blue gel.

➤ **Endotoxin:**

Less than 0.1 ng/ μ g (IEU/ μ g) of Human p504s/AMACR.

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.