

## Recombinant Human AMACR, MYC/DDK-tagged

Cat. No. AMACR-106H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AMACR fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes a racemase. The encoded enzyme interconverts pristanoyl-CoA and C27-bile acylCoAs between their (R)- and (S)-stereoisomers. The conversion to the (S)-stereoisomers is necessary for degradation of these substrates by peroxisomal beta-oxidation. Encoded proteins from this locus localize to both mitochondria and peroxisomes. Mutations in this gene may be associated with adult-onset sensorimotor neuropathy, pigmentary retinopathy, and adrenomyeloneuropathy due to defects in bile acid synthesis. Alternatively spliced transcript variants have been described. Read-through transcription also exists between this gene and the upstream neighboring C1QTNF3 (C1q and tumor necrosis factor related protein 3) gene.</p>
<b>Molecular Mass</b>	42.2 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Storagebuffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Storage</b>	Store at -800C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
<b>OfficialSymbol</b>	AMACR
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	AMACR alpha-methylacyl-CoA racemase [ Homo sapiens ]
<b>Synonyms</b>	AMACR; RACE; CBAS4; AMACRD; alpha-methylacyl-CoA racemase; EC 5.1.99.4; 2-methylacyl-CoA racemase
<b>Gene ID</b>	23600
<b>mRNA Refseq</b>	NM_014324
<b>Protein Refseq</b>	NP_055139
<b>MIM</b>	604489
<b>UniProt ID</b>	Q9UHK6
<b>Chromosome Location</b>	5p13
<b>Pathway</b>	Metabolic pathways; Primary bile acid biosynthesis; Metabolism of lipids and lipoproteins
<b>Function</b>	alpha-methylacyl-CoA racemase activity; receptor binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA