



# Recombinant Rat Peroxisomal acyl-coenzyme A oxidase 3 (Acox3)

<b>Product Code</b>	CSB-EP726905RA-B
<b>Abbreviation</b>	Acox3
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q63448
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GSSSERRDS VLWSDIPKGP LSAYRARASF NSKELMLFWD GQDVLDKFKT IFSTLENDPL FARPFADLP LEKERELNFL RCKRVFEYGF FNAEDMLKNP LKILVLMNCL GMYDWSLANK CVLHMLVFGS TIIGSGSEHH FKYLEKIYNL EIFGCFALTE LSHGSNTKAM RTTAHYDPAT QEFILHSPDF EAAKFWVGNL GKTATHAVVF AQLYTPDGQC RGLHSFLVQI RDPKTLMPMP GVMVGDGMGKK LGQNGLDNGF AMFHKVRIPR QNLLDRTGNV TSEGHYHTPF KDVRQRLGAS LGSLSGRIS IISISVVNLK LAVIIAIRFS ATRRQFGPTD KEEIPVLEYP LQQWRLPYL AAAYALDHFS KTIFLDLIEL QRAGKVGTTV TGRQSSGREI HALASAGKPL ASWTAQRGIQ ECREVVGHHG YLAMNRFGEL RNDNDPNCTY EGDNNVLLQQ TSNYLLSLE HPLQDGAHFT SPLKTVNFLE AYPGILGQKF MASSKADWLD SEAPLAAYRW LVCYLLRESH QRYCQEKKS GSDFEARNNS QVYGCRPLAL AFMELTMQR FHEHTHSSSV PPSLRTVLGR LSMLYGLWCL SQHTALLYRG GYISGEQTGK AMEDAILMLC VQLKDDAVAL VDAIAPSDFV LGSPIGRADG ELYKNLWAAV LQQSGVLERA AWWPEFTANK SVANRLKSQL
<b>Source</b>	E.coli
<b>Target Names</b>	Acox3
<b>Protein Names</b>	Recommended name: Peroxisomal acyl-coenzyme A oxidase 3 EC= 1.3.3.6 Alternative name(s): Branched-chain acyl-CoA oxidase Short name= BRCACox Pristanoyl-CoA oxidase
<b>Expression Region</b>	2-700
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Acyl-Coenzyme A oxidase 3 also know as pristanoyl -CoA oxidase (ACOX3)is involved in the desaturation of 2-methyl branched fatty acids in peroxisomes.



Unlike the rat homolog, the human gene is expressed in very low amounts in liver such that its mRNA was undetectable by routine Northern-blot analysis or its product by immunoblotting or by enzyme activity measurements. However the human cDNA encoding a 700 amino acid protein with a peroxisomal targeting C-terminal tripeptide S-K-L was isolated and is thought to be expressed under special conditions such as specific developmental stages or in a tissue specific manner in tissues that have not yet been examined.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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