



# Recombinant Human Peroxisomal acyl-coenzyme A oxidase 3 (ACOX3)

<b>Product Code</b>	CSB-EP001174HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O15254
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>ASTVEGGDT ALLPEFPRGP LDAYRARASF SWKELALFTE GEGMLRFKKT          IFSALENDPL FARSPGADLS LEKYRELNFL RCKRIFEYDF LSVEDMFKSP          LKVPALIQCL GMYDSSLAAK YLLHSLVFGS AVYSSGSERH LTYIQKIFRM          EIFGCFALTE LSHGSNTKAI RTTAHYDPAT EEFIIHSPDF EAAKFWVGNM          GKTATHAVVF AKLCVPGDQC HGLHPFIVQI RDPKTLLPMP GVMVGDIGKK          LGQNGLDNGF AMFHKVRVPR QSLNRMGDV TPEGTYVSPF          KDVRQRFGAS LGSLSGRVS IVSLAILNLK LAVAIALRFS ATRRQFGPTE          EEEIPVLEYP MQQWRLLPYL AAVYALDHFS KSLFLDLVEL QRGLASGDRS          ARQAE LGREI HALASASKPL ASWTTQQGIQ ECREACGGHG YLAMNRLGVL          RDDNDPNCTY EGDNNILLQQ TSNYLLGLLA HQVHDGACFR SPLKSVDFLD          AYPGILDQKF EVSSVADCLD SAVALAAYKW LVCYLLRETY QKLNQEKRS          GSSDFEARNKC QVSHGRPLAL AFVELTVVQR FHEHVHQPSV PPSLRAVLGR          LSALYALWSL SRHAALLYRG GYFSGEQAGE VLES AVLALC SQLKDDAVAL          VDVIAPPDFV LDSPIGRADG ELYKNLWGAV LQESKVLERA SWWPEFSVNK          PVIGSLKSKL</p>
<b>Source</b>	E.coli
<b>Target Names</b>	ACOX3
<b>Protein Names</b>	<p>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</p>
<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>	<p>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</p>



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**

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.