



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

Product Code	CSB-EP001174HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15254
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	<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 SAVALAAKW LVCYLLRETY QKLNQEKRS SSSDFEARNKC QVSHGRPLAL AFVELTVVQR FHEHVHQPSV PPSLRAVLGR LSALYALWSL SRHAALLYRG GYFSGEQAGE VLESVAVLALC SQLKDDAVAL VDVIAPPDFV LDSPIGRADG ELYKNLWGAV LQESKVLERA SWWPEFSVNK PVIGSLKSKL</p>
Source	E.coli
Target Names	ACOX3
Protein Names	<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>
Expression Region	2-700
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	<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.

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.

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.