

# Recombinant Full Length Human ACOX3 Protein, GST-tagged

Cat. No. ACOX3-799HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ACOX3 full-length ORF (AAH17053.1, 1 a.a. - 624 a.a.) recombinant protein with GST tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	624 amino acids
<b>Description</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 expressed under special conditions such as specific developmental stages or in a tissue specific manner in tissues that have not yet been examined. [provided by RefSeq, Jul 2008]</p>
<b>Molecular Mass</b>	96 kDa
<b>AA Sequence</b>	<p>MASTVEGGDT ALLPEFPRGP LDAYRARASF SWKELALFTE GEGMLRFKKT            IFSALENDPL FARSPGADLS LEKYRELNFL RCKRIFEYDF LSVEDMFKSP            LKVPALIQCL GMYDSSSLAAK YLLHSLVFGS AVYSSGSERH LTYIQKIFRM            EIFGCFALTE LSHGSNTKAI RTTAHYDPAT EEFIHSPDF EAAKFWVGNM</p>

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GKTATHAVVF AKLCVPGDQC HGLHPPFIVQI RDPKTLLPMP GVMVGDIGKK  
 LGQNGLDNGF AMFHKVRVPR QSLNRMGDV TPEGTYVSPF KDVRQRFGAS  
 LGSLSSGRVS IVSLAILNLK LAVAIALRFS ATRRQFGPTE EEEIPVLEYP  
 MQQWRLLPYL AAVYALDHFS KSLFLDLVEL QRGLASGDRS ARQAELGREI  
 HALASASKPL ASWTTQQGIQ ECREACGGHG YLAMNRLGVL RDDNDPNCTY  
 EGDNNILLQQ TSNYLLGLLA HQVHDGACFR SPLKSVDFLD AYPGILDQKF  
 EVSSVADCLD SAVALAAYKW LVCYLLRETY QKLNQEKRSG SSDFEARNKC  
 QVSHGRPLAL AFVELTVVQR FHEHVHQPSV PPSLRAVLGR LSALYALWSL  
 SRHAALLYRA ERRCSCPGRR DRSS

**Applications**  
 Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [ACOX3 acyl-CoA oxidase 3, pristanoyl \[ Homo sapiens \]](#)

**Official Symbol** [ACOX3](#)

**Synonyms** ACOX3; acyl-CoA oxidase 3, pristanoyl; acyl Coenzyme A oxidase 3, pristanoyl; peroxisomal acyl-coenzyme A oxidase 3; BRCACox; pristanoyl-CoA oxidase; branched-chain acyl-CoA oxidase; acyl-Coenzyme A oxidase 3, pristanoyl

**Gene ID** [8310](#)

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mRNA Refseq [NM\\_001101667](#)

Protein Refseq [NP\\_001095137](#)

MIM [603402](#)

UniProt ID [O15254](#)

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