

Recombinant Full Length Human ACOX3 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human ACOX3 full-length ORF (AAH17053.1, 1 a.a. - 624 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	624 amino acids
Description	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]
Molecular Mass	96 kDa
AA Sequence	MASTVEGGDT ALLPEFPRGP LDAYRARASF SWKELALFTE GEGMLRFKKT IFSALENDPL FARSPGADLS LEKYRELNFL RCKRIFEYDF LSVEDMFKSP LKVPALIQCL GMYDSSSLAAK YLLHSLVFGS AVYSSGSERH LTYIQKIFRM EIFGCFALTE LSHGSNTKAI RTTAHYDPAT EEFIHSPDF EAAKFWVGNM

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GKTATHAVVF AKLCVPGDQC HGLHPFIVQI RDPKTLLPMP GVMVGDIGKK
 LGQNGLDNGF AMFHKVRVPR QSLNRMGDV TPEGTYVSPF KDVRQRFGAS
 LGSLSGRVS IVSLAILNLK LAVAIALRFS ATRRQFGPTE EEEIPVLEYP
 MQQWRLLPYL AAVYALDHFS KSLFLDLVEL QRGLASGDRS ARQAELEGREI
 HALASASKPL ASWTTQQGIQ ECREACGGHG YLAMNRLGVL RDDNDPNCTY
 EGDNNILLQQ TSNYLLGLLA HQVHDGACFR SPLKSVDFLD AYPGILDQKF
 EVSSVADCLD SAVALAAYKW LVCYLLRETY QKLNQEKRSR SSDFEARNKC
 QVSHGRPLAL AFVELTVVQR FHEHVHQPSV PPSLRAVLGR LSALYALWSL
 SRHAALLYRA ERRCSGPGRR 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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