

Recombinant Full Length Human ACOX2 Protein, GST-tagged

Cat. No. ACOX2-798HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACOX2 full-length ORF (NP_003491.1, 1 a.a. - 681 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	681 amino acids
Description	The product of this gene belongs to the acyl-CoA oxidase family. It encodes the branched-chain acyl-CoA oxidase which is involved in the degradation of long branched fatty acids and bile acid intermediates in peroxisomes. Deficiency of this enzyme results in the accumulation of branched fatty acids and bile acid intermediates, and may lead to Zellweger syndrome, severe mental retardation, and death in children. [provided by RefSeq, Mar 2009]
Molecular Mass	103.2 kDa
AA Sequence	MGSPVHRVSL GDTWSRQMHP DIESERYMQS FDVERLTNIL DGGAQNTALR RKVESIIHSY PEFSCKDNYF MTQNERYKAA MRRAFHIRLI ARRLGWLEDG RELGYAYRAL SGDVALNIHR VFVRALRSLG SEEQIAKWDP LCKNIQIIAT YAQTELGHGT YLQGLETEAT YDAATQEFVI HSPTLTATKW WPGDLGRSAT HALVQAQLIC SGARRGMHAF IVPIRSLQDH TPLPGIIIGD IGPKMDFDQT DNGFLQLNHV RVPRENMLSR FAQVLPDGTY VKLGTAQSNY LPMVVVRVEL LSGEILPILQ KACVIAMRYS VIRRQSRLRP SDPEAKVLDY QTQQQKLFPO

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LAISYAFHFL AVSLEFFQH SYTAILNQDF SFLPELHALS TGMKAMMSEF
 CTQGAEMCRR ACGGHGYSKL SGLPSLVTKL SASCTYEGEN TVLYLQVARF
 LVKSYLQTQM SPGSTPQRSL SPSVAYLTAP DLARCPAQRA ADFLCPELYT
 TAWAHVAVRL IKDSVQHLQT LTQSGADQHE AWNQTTVIHL QAAKVHCYYV
 TVKGFTEALE KLENPAIQQ VLKRLCDLHA IHGILTNSGD FLHDAFLSGA
 QVDMARTAYL DLLRLIRKDA ILLTDAFDFT DQCLNSALGC YDGNVYERLF
 QWAQKSPTNT QENPAYEEYI RPLLQSWRSK L

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 [ACOX2 acyl-CoA oxidase 2, branched chain \[Homo sapiens \]](#)


Official Symbol [ACOX2](#)

Synonyms
 ACOX2; acyl-CoA oxidase 2, branched chain; acyl Coenzyme A oxidase 2, branched chain; peroxisomal acyl-coenzyme A oxidase 2; BRCACOX; BRCCOX; THCA-CoA oxidase; trihydroxycoprostanoyl-CoA oxidase; acyl-Coenzyme A oxidase 2, branched chain; peroxisomal branched chain acyl-CoA oxidase; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA oxidase; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase; BCOX; THCCox

Gene ID [8309](#)

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mRNA Refseq	NM_003500
Protein Refseq	NP_003491
MIM	601641
UniProt ID	Q99424

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