

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 PEFSCCKDNYF 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 QTQQQKLFPQ

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LAISYAFHFL AVSLLEFFQH SYTAILNQDF SFLPELHALS TGMKAMMSEF
CTQGAEMCRR ACGGHGYSKL SGLPSLVTKL SASCTYEGEN TVLYLQVARF
LVKSYLQTQM SPGSTPQRSL SPSVAYLTAP DLARCPAQRA ADFLCPELYT
TAWAHVAVRL IKDSVQHLQT LTQSGADQHE AWNQTTVIHL QAAKVHCYYV
TVKGFTEALE KLENEPAIQQ 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; BRCOX; 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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