

Recombinant Human ACOX2 Protein, GST-Tagged

Cat. No. ACOX2-173H **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	Wheat Germ
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	MGSPVHRVSLGDTWSRQMHPDIESERYMQSFDVERLTNILDGGAQNTALRRKVESI IHSYPEFSCKDNYFMTQNERYKAAMRRAFHIRLIARRLGWLEDGRELGAYRALSG DVALNIHRVFVRALRSLGSEEQIAKWDPLCKNIQIIATYAQTELGHGTYLQGLETEATY DAATQEFVIHSPTLTATKWWPGDLGRSATHALVQAQLICSGARRGMHAFIVPIRSLQ DHTPLPGIIIGDIGPKMDFDQTDNGFLQLNHVRVPRENMLSRFAQVLPDGTYYVKLGT AQSNYLPMVVVRVELLSGEILPILQKACVIAMRYSVIRRQSRLRPSDPEAKVLDYQTQ QQKLFPQLAISYAFHFLAVSLLEFFQHSYTAILNQDFSFLPELHALSTGMKAMMSEFC TQGAEMCRRACGGHGYSKLSGLPSLVTKLSASCTYEGENTVLYLQVARFLVKSYLQ

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TQMSPGSTPQRSLSVAYLTAPDLARCPAQRADFLCPELYTTAWAHVAVRLIKD
SVQHLQTLTQSGADQHEAWNQTTVIHLQAAKVHCYYVTVKGFTEALEKLENEPAIQ
QVLKRLCDLHAIHGILTNSGDFLHDAFLSGAQVDMARTAYLDLLRLIRKDAILLTDAFD
FTDQCLNSALGCYDGNVYERLFQWAQKSPTNTQENPAYEEYIRPLLQSWRSKL

Applications

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

Notes Best use within three months from the date of receipt of this protein.

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

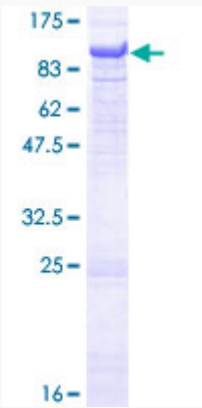
ACOX2; acyl-CoA oxidase 2, branched chain; acyl Coenzyme A oxidase 2, branched chain; peroxisomal acyl-coenzyme A oxidase 2; BRCACOX; BRcox; THCA-CoA oxidase; trihydroxycoprostanoyl-CoA oxidase; acyl-Coenzyme A oxidase 2, branched chain; peroxisomal branched chain acyl-CoA oxidase; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 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
 12.5% SDS-PAGE Stained with Coomassie Blue.	