

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 IHSYPEFSCKDNYFMTQNERKYKAAMRRAFHIRLIARRLGWLEDGRELGYAYRALSG DVALNIHRVFRALRSLGSEEQIAKWDPLCKNIQIIATYAQTELGHGTYLQGLETEATY DAATQEFVIHSPTLTATKWWPGDLGRSATHALVQAQLICSGARRGMHAFIVPIRSLQ DHTPLPGIIIGDIGPKMDFDQTDNGFLQLNHVRVPRENMLSRFAQVLPDGTYYVCLGT AQSNYLPMVVVRVELLSGEILPILQKACVIAMRYSVIRRQSRLRPSDPEAKVLDYQTQ QQKLFPLAISYAFHFLAVSLLEFFQHSYTAILNQDFSFLPELHALSTGMKAMMSEFC TQGAEMCRACGGHGYSKLSGLPSLVTKLSASCTYEGENTVLYLQVARFLVKSYLQ

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TQMSPGSTPQRSLSPSVAYLTAPDLARCPAQRADFLCPELYTTAWAHVAVRLIKD
 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	<i>ACOX2</i> acyl-CoA oxidase 2, branched chain [<i>Homo sapiens</i>]
Official Symbol	<i>ACOX2</i>
Synonyms	<i>ACOX2</i> ; 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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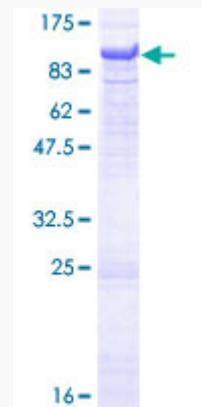
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mRNA Refseq [NM_003500](#)


Protein Refseq [NP_003491](#)

MIM [601641](#)


UniProt ID [Q99424](#)



12.5% SDS-PAGE Stained with Coomassie Blue.

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