

Recombinant Human ACOX2 Protein, His&GST-tagged

Cat. No. ACOX2-43H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACOX2 Protein (Leu49-Phe254) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu49-Phe254
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 cognitive disability, and death in children.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.3 kDa Accurate Molecular Mass: 54 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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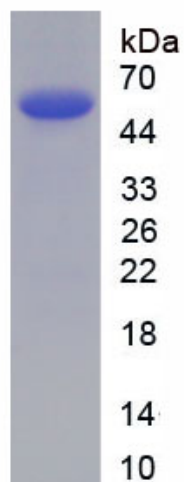
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	ACOX2 acyl-CoA oxidase 2, branched chain [Homo sapiens (human)]
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
mRNA Refseq	NM_003500
Protein Refseq	NP_003491

MIM	601641
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UniProt ID	Q99424
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