

Recombinant Human ACOX1 Protein, His/GST-tagged

Cat. No. ACOX1-486H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACOX1(Arg210~Asn409) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg210~Asn409
Description	The protein encoded by this gene is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates electrons directly to molecular oxygen, thereby producing hydrogen peroxide. Defects in this gene result in pseudoneonatal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatty acids. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	52.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein

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.

Reconstitution

Reconstitute in PBS or others

GENE INFORMATION

Gene Name

[ACOX1 acyl-CoA oxidase 1, palmitoyl \[Homo sapiens \]](#)

Official Symbol

[ACOX1](#)

Synonyms

ACOX1; acyl-CoA oxidase 1, palmitoyl; acyl Coenzyme A oxidase 1, palmitoyl; peroxisomal acyl-coenzyme A oxidase 1; PALMCOX; AOX; palmitoyl-CoA oxidase; straight-chain acyl-CoA oxidase; acyl-CoA oxidase, straight-chain; peroxisomal fatty acyl-CoA oxidase; acyl-Coenzyme A oxidase 1, palmitoyl; ACOX; SCOX; MGC1198;

Gene ID

[51](#)

mRNA Refseq

[NM_001185039](#)

Protein Refseq

[NP_001171968](#)

MIM

[609751](#)

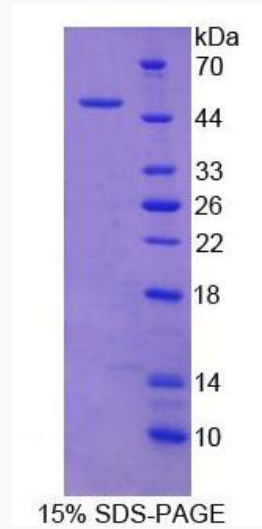
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UniProt ID

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