

## Recombinant Human ACOT8, His-tagged

Cat. No. ACOT8-3141H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Acyl-coenzyme A thioesterase 8 (ACOT8)
<b>Species</b>	Human
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	319
<b>Description</b>	The protein encoded by this gene is a peroxisomal thioesterase that appears to be involved more in the oxidation of fatty acids rather than in their formation. The encoded protein can bind to the human immunodeficiency virus-1 protein Nef, and mediate Nef-induced down-regulation of CD4 in T-cells.
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	Small volumes of ACOT8 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

 Tel: 1-631-559-9269 1-516-512-3133

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<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ACOT8 acyl-CoA thioesterase 8 [ Homo sapiens ]</a>
<b>Official Symbol</b>	ACOT8
<b>Synonyms</b>	ACOT8; acyl-CoA thioesterase 8; peroxisomal acyl CoA thioesterase , peroxisomal acyl CoA thioesterase 1 , PTE1; acyl-coenzyme A thioesterase 8; choloyl CoA hydrolase; hACTE III; hTE; PTE 2; thioesterase II; thioesterase III; choloyl-CoA hydrolase; palmitoyl-CoA hydrolase; choloyl-coenzyme A thioesterase; long-chain fatty-acyl-CoA hydrolase; peroxisomal acyl-CoA thioesterase 1; HIV-Nef associated acyl-CoA thioesterase; peroxisomal long-chain acyl-CoA thioesterase 1; peroxisomal acyl-coenzyme A thioester hydrolase 1; PTE1; PTE2; PTE-1; PTE-2; HNAACTE; hACTE-III;
<b>Gene ID</b>	<a href="#">10005</a>
<b>mRNA Refseq</b>	<a href="#">NM_005469</a>
<b>Protein Refseq</b>	<a href="#">NP_005460</a>
<b>MIM</b>	<a href="#">608123</a>
<b>UniProt ID</b>	<a href="#">O14734</a>
<b>Chromosome</b>	20pter-p12.3

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**Location**

**Pathway**

Beta-oxidation of pristanoyl-CoA, organism-specific biosystem; Beta-oxidation of very long chain fatty acids, organism-specific biosystem; Bile acid and bile salt metabolism, organism-specific biosystem; Bile acid biosynthesis, cholesterol =>cholate, org

**Function**

acyl-CoA hydrolase activity; carboxylesterase activity; choloyl-CoA hydrolase activity; hydrolase activity; protein binding;

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