



# Recombinant Human Acyl-coenzyme A thioesterase 11 (ACOT11)

<b>Product Code</b>	CSB-EP855502HU-B
<b>Abbreviation</b>	ACOT11
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8WXI4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MIQNVGNHLR RGLASVFSNR TSRKSALRAG NDSAMADGEG YRNPTEVQMS QLVLPCHTNQ RGELSVGQLL KWIDTTACLS AERHAGCPCV TASMDDIYFE HTISVGQVVN IKAKVNRANF SSMEVGIQVA SEDLCSEKQW NVCKALATFV ARREITKVKL KQITPRTEEE KMEHSVAAER RRMRLVYADT IKDLLANCAI QGDLESRDCS RMVPAEKTRV ESVELVLPFH ANHQGNTFGG QIMAWMENVA TIAASRLCRA HPTLKAIEMF HFRGPSQVGD RLVLKAIVNN AFKHSMEVGV CVEAYRQEA THRRHINSF MTFVVLDD QPQLLPWIRP QPGDGERRYR EASARKKIRL DRKYIVSCKQ TEVPLSVPWD PSNQVYLSYN NVSSLKMLVA KDNWVLSSEI SQVRLYTLED DKFLSFHMEM VVHVDAQAQF LLLSDLRQRP EWDKHYRSVE LVQQVDEDDA IYHVTSPALG GHTKPQDFVI LASRRKPCDN GDPYVIALRS VTLPTHRETP EYRRGETLCS GFCLWREGDQ LTKCCWVRVS LTELVSASGF YSWGLESRSK GRRSDGWNGK LAGGHLSTLK AIPVAKINSR FGYLQDT
<b>Source</b>	E.coli
<b>Target Names</b>	ACOT11
<b>Protein Names</b>	Recommended name: Acyl-coenzyme A thioesterase 11 Short name= Acyl-CoA thioesterase 11 EC= 3.1.2.- Alternative name(s): Acyl-CoA thioester hydrolase 11 Adipose-associated thioesterase Brown fat-inducible thioesterase Shor
<b>Expression Region</b>	1-607
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a protein with acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates. Expression of a similar murine protein in brown adipose tissue is induced by cold exposure and repressed by warmth. Expression of the mouse protein has been associated



with obesity, with higher expression found in obesity-resistant mice compared with obesity-prone mice. Alternative splicing results in two transcript variants encoding different isoforms.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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