

# Recombinant Full Length Human ACOT12 Protein, GST-tagged

**Cat. No.** ACOT12-785HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ACOT12 full-length ORF (BAG53821.1, 1 a.a. - 555 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 555 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | ACOT12 (Acyl-CoA Thioesterase 12) is a Protein Coding gene. Among its related pathways are Metabolism and Pyruvate metabolism. GO annotations related to this gene include lipid binding and acetyl-CoA hydrolase activity. An important paralog of this gene is ACOT11.                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 88.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | <p>MERPAPGEVV MSQAIQPAHA TARGELSAGQ LLKWIDTTAC LAAEKHAGVS<br/> CVTASVDDIQ FEETARVGQV ITIKAKVTRA FSTSMEISIK VMVQDMLTGI<br/> EKLVSFAFST FVAKPVGKEK IHLKPVTLLT EQDHVEHNLA AERRKVRLQH<br/> EDTFNNLMKE SSKFDDLIFD EEEGAVSTRG TSVQSIELVL PPHANHHGNT<br/> FGGQIMAWME TVATISASRL CWAHPFLKSV DMFKFRGPST VGDRLVFTAI<br/> VNNTFQTCVE VGV RVEAFDC QEWAEGRGRH INSAFLIYNA ADDKENLITF<br/> PRIQPISKDD FRRYRGAIAR KRIRLGRKYV ISHKEEVPLC IHWDISKQAS<br/> LSDSNVEALK KLAAKRGWEV TSTVEKIKIY TLEEHDVLSV WVEKHVGSPA<br/> HLAYRLLSDF TKRPLWDPHF VSCEVIDWVS EDDQLYHITC PILNDDKPKD</p> |

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LVVLVSRKRP LKDGNTYTVA VKSVILPSVP PSPQYIRSEI ICAGFLIHAI  
DSNSCIVSYF NHMSASILPY FAGNLGGWSK SIEETAASCI QFLENPPDDG FVSTF

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**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**

[ACOT12 acyl-CoA thioesterase 12 \[ Homo sapiens \]](#)

**Official Symbol**

[ACOT12](#)

**Synonyms**

ACOT12; acyl-CoA thioesterase 12; acyl-coenzyme A thioesterase 12; Cach; StAR related lipid transfer (START) domain containing 15; STARD15; THEAL; hCACH-1; cytosolic acetyl-CoA hydrolase; acyl-CoA thioester hydrolase 12; START domain-containing protein 15; cytoplasmic acetyl-CoA hydrolase 1; StAR-related lipid transfer (START) domain containing 15; CACH-1; MGC105114

**Gene ID**

[134526](#)

**mRNA Refseq**

[NM\\_130767](#)

**Protein Refseq**

[NP\\_570123](#)

**MIM**

[614315](#)

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UniProt ID

Q8WYK0

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