

Product information



ACOT8, 1-319aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2115

Full name: Acyl-coenzyme A thioesterase 8

NCBI Accession No.: NP_005460

Synonyms: hACTE-III, HNAACTE, the, PTE-1, PTE-2, PTE1, PTE2

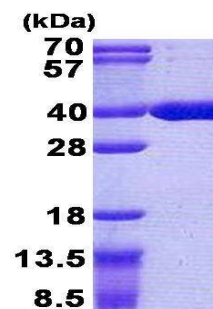
Description: Acyl-coenzyme A thioesterase 8, also known as ACOT8, are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. This protein may mediate Nef-induced down-regulation of CD4. It competes with BAAT (Bile acid CoA: amino acid N-acyltransferase) for bile acid-CoA substrate (such as chenodeoxycholoyl-CoA). ACOT8 shows a preference for medium-length fatty acyl-CoAs. Recombinant human ACOT8 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

Molecular Weight: 38.3 kDa (342aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMSPPQAP EDGQCGDRG DPPGDLRSLV VTTVLNLEPL DEDLFRGRHY WVPKRLFGG QIVGQALVAA
AKSVSEDVHV HSLHCYFVRA GDPKLPVLYQ VERTRTGSSF SVRSVKAVQH GKPIFICQAS FQQAQPSPMQ HQFSMPTVPP PEELLDGETL
IDQYL RDPNL QKRYPLALNR IAAQEVPIEI KPVNPSPLSQ LQRMEPKQMF WVRARGYIGE GDMKMHCCVA AYISDYAFGL TALLPHQWQH
KVHFVMSLDH SMWFHAPFRA DHWMLYECES PWAGGSRGLV HGRLWRQDGV LAVTCAQEGV IRVKPQVSES KL

General references:

Ishizuka M., *et al.* (2004) *Exp. Cell Res.* 297:127-141

Hunt M.C., *et al.* (2002) *Prog. Lipid Res.* 41:99-130

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com