

## ACAT2 Human

*Acetyl-Coenzyme A acetyltransferase 2 Human Recombinant*  
ENZ0018

### Product Overview

Name ACAT2 Human

#### Description

Acetyl-Coenzyme A acetyltransferase 2 Human Recombinant

Accession (Primary) [Q9BWD1](#)

#### Synonyms

Acyl-CoA Binding Domain Containing 6, Acyl-Coenzyme A Binding Domain Containing 6, Acyl-CoA-Binding Domain-Containing Protein 6, ACBD6.

#### Introduction

Acyl-CoA binding domain containing 6, also known as ACBD6 contains 1 ACB (acyl-CoA-binding) domain and 2 ANK repeats. ACBD6 binds long-chain acyl-coenzyme A molecules with a strong preference for unsaturated C18:1 CoA, lower affinity for unsaturated C20:4-CoA, and extremely weak affinity for saturated C16:0-CoA. Moreover ACBD6 does not bind fatty acids. ACBD6 has been detected in placenta, umbilical cord blood, CD34-positive hematopoietic progenitor cells and bone marrow. Endotheliitis has been associated with ACBD6.

#### Source

Escherichia Coli.

#### Physical Appearance

Sterile Filtered clear solution.

#### Formulation

ACBD6 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

#### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

#### Purity

Greater than 90% as determined by SDS-PAGE.

#### Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MASSFLP AGAITGDSGG ELSSGDDSGE VEFPHSPEIE ETSCLAELFE  
KAAHLQGLI QVASREQLLY LYARYKQVKV GNCNTPKPSF FDFEGKQKWE AWKALGDSSP SQAMQEYIAV

VKKLDPGWNP QIPEKKGKEA NTGFGGPVIS SLYHEETIRE EDKNIFYCR ENNIDHITKA IKSKNVDVNV  
KDEEGRALLH WACDRGHKEL VTVLLQHRAD INCQDNEGQT ALHYASACEF LDIVELLQS GADPTLRDQD  
GCLPEEVTGC KTVSLVLQRH TTGKA.

#### Precautions

ACAT2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information: ( [Q9BWD1](#) )**