

ACOT7 Human

Description: ACOT7 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 390 amino acids (1-370) and having a molecular mass of 42.6kDa. ACOT7 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-221

For research use only.

Synonyms: Cytosolic acyl coenzyme A thioester hydrolase, Acyl-CoA thioesterase 7, Brain acyl-CoA hydrolase, BACH, CTE-IIa, CTE-II, Long chain acyl-CoA thioester hydrolase, ACOT7, ACT, ACH1, LACH, LACH1, hBACH, RP1-120G22.10.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MARPGLIHS PGLPDTCALL
QPPAASAAAA PSMSGPDVET PSAIQICRIM RPDDANVAGN VHGGTILKMI EEAGAIISTR
HCNSQNGERC VAALARVERT DFLSPMCIGE VAHVSAEITY TSKHSVEVQV NVMSENILTG
AKKLTNKATL WYVPLSLKNV DKVLEVPPVV YSRQEQQEEG RKRYEAQKLE RMETKWRNGD
IVQPVLNPEP NT

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The ACOT7 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.15M NaCl.

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). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Acyl-CoA Thioesterase 7 (ACOT7) belongs to the acyl coenzyme family. ACOT7 hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of the ACOT7 protein may be linked to mesial temporal lobe epilepsy.

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