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ACAA1 Human

Catalog #:ENPS-258

For research use only.

Description:ACAA1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 419 amino acids (27-424 a.a.) and having a molecular mass of 43.8 kDa. The ACAA1 is fused to 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Synonyms:ACAA, PTHIO, THIO.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MLSGAPQASA ADVVVVHGRR TAICRAGRGG FKDTTPDELL SAVMTAVLKD VNLRPEQLGD ICVGNVLQPG AGAIMARIAQ FLSDIPETVP LSTVNRQCSS GLQAVASIAG GIRNGSYDIG MACGVESMSL ADRGNPGNIT SRLMEKEKAR DCLIPMGITS ENVAERFGIS REKQDTFALA SQQKAARAQS KGCFQAEIVP VTTTVHDDKG TK

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

Formulation:
ACAA1 1mg/ml protein solution contains 20mM Tris pH-8, 0.1M NaCl, 1mM DTT & 20% glycerol.

Stability:
ACAA1 Human althoμgh stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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

Introduction:
ACAA1 is part of the thiolase family of enzymes and is takes part in lipid metabolism. ACAA1 enzyme is localized to the peroxisome and catalyzes the conversion of acyl-CoA and acetyl-CoA to 3-oxoacyl-CoA in the fatty acid oxidation pathway. ACAA1 shows high enzymatic activity in liver, kidney, intestine and white adipose tissue in rats. ACAA1 deficiency causes pseudo-Zellweger syndrome.

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