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32-2099: ACAA1 Recombinant Protein

Alternative Name : ACAA,PTHIO,THIO.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	ACAA1 1mg/ml protein solution contains 20mM Tris pH-8, 0.1M NaCl, 1mM DTT & 20% glycerol.
Storage condition :	ACAA1 Human although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MLSGAPQASA ADVVVVHGRR TAICRAGRGG FKDTTPDELL SAVMTAVLKD VNLRPEQLGD ICVGNVLQPG AGAIMARIAQ FLSDIPETVP LSTVNRQCSS GLQAVASIAG GIRNGSYDIG MACGVESMSL ADRGNPGNIT SRLMEKEKAR DCLIPMGITS ENVAERFGIS REKQDTFALA SQQKAARAQS KGCFQAEIVP VTTTVHDDKG TKRSITVTQD EGIRPSTTME GLAKLKPAFK KDGSTTAGNS SQVSDGAAAI LLARRSKAEE LGLPILGVLR SYAVVGVPPD IMGIGPAYAI PVALQKAGLT VSDVDIFEIN EAFASQAAYC VEKLRLPPEK VNPLGGAVAL GHPLGCTGAR QVITLLNELK RRGKRAYGVV SMCIGTGMGA AAVFEYPGN.

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