

Active Recombinant Human ACACA protein, FLAG/His-tagged

Cat. No. ACACA-1850H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACACA(1–2383 aa) fused with FLAG and His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-2383 a.a.
Form	50 mM Tris-HCl, pH 8.0, 500 mM NaCl, 10% glycerol, 1 mM DTT, 100 g/ml FLAG peptide
Bio-activity	42.5 pmol/min/g.
Molecular Mass	271 kDa
Purity	>70%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Storage	>6 months at –80 centigrade
Concentration	0.25 mg/ml

GENE INFORMATION

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Gene Name	ACACA acetyl-CoA carboxylase alpha [Homo sapiens]
Official Symbol	ACACA
Synonyms	ACACA; acetyl-CoA carboxylase alpha; ACAC, ACC, acetyl Coenzyme A carboxylase alpha; acetyl-CoA carboxylase 1; ACC1; acetyl CoA carboxylase 1; ACC-alpha; acetyl-Coenzyme A carboxylase alpha; ACC; ACAC; ACCA; ACACAD;
Gene ID	31
mRNA Refseq	NM_198834
Protein Refseq	NP_942131
MIM	200350
UniProt ID	Q13085
Chromosome Location	17q21
Pathway	AMPK signaling, organism-specific biosystem; ChREBP activates metabolic gene expression, organism-specific biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Fatty Acyl-CoA Biosynthesis, organism-specific biosystem; Fatty acid biosynthesis, organism-specific biosystem; Fatty acid biosynthesis, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem;
Function	ATP binding; acetyl-CoA carboxylase activity; biotin binding; biotin carboxylase activity; ligase activity; metal ion binding; nucleotide binding; protein binding;

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