Recombinant Rat ACACA Protein (116-617 aa), His-tagged

Cat. No. ACACA-1879R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ACACA Protein (116-617 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Partial.
Species	Rat
Source	E.coli
ProteinLength	116-617 aa
Description	Catalyzes the rate-limiting reaction in the biogenesis of long-chain fatty acids. Carries out three functions: biotin carboxyl carrier protein, biotin carboxylase and carboxyltransferase.
Form	Tris-based buffer,50% glycerol
Molecular Mass	59.8 kDa
AA Sequence	VIEKVLIANNGIAAVKCMRSIRRWSYEMFRNERAIRFVVMVTPEDLKANAEYIKMADH YVPVPGGANNNNYANVELILDIAKRIPVQAVWAGWGHASENPKLPELLLKNGIAFMG PPSQAMWALGDKIASSIVAQTAGIPTLPWSGSGLRVDWQENDFSKRILNVPQDLYE KGYVKDVDDGLKAAEEVGYPVMIKASEGGGGKGIRKVNNADDFPNLFRQVQAEVP GSPIFVMRLAKQSRHLEVQILADQYGNAISLFGRDCSVQRRHQKIIEEAPAAIATPAVF EHMEQCAVKLAKMVGYVSAGTVEYLYSQDGSFYFLELNPRLQVEHPCTEMVADVN LPAAQLQIAMGIPLFRIKDIRMMYGVSPWGDAPIDFENSAHVPCPRGHVIAARITSEN

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	PDEGFKPSSGTVQELNFRSNKNVWGYFSVAAAGGLHEFADSQFGHCFSWGENRE EAISNMVVALKELSIRGDFRTTVEYLIKLLETESFQLNRIDTGWLDRLIA
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	Acaca acetyl-CoA carboxylase alpha [Rattus norvegicus]
Official Symbol	ACACA
Synonyms	ACACA; acetyl-CoA carboxylase alpha; ACC-alpha; ACC1; Acac;
Gene ID	60581
mRNA Refseq	NM_022193
Protein Refseq	NP_071529
UniProt ID	P11497

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