

Product datasheet

Recombinant Human Acetyl Coenzyme A Carboxylase protein ab79625

Description

Product name	Recombinant Human Acetyl Coenzyme A Carboxylase protein
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Amino acids	39 to 2346

Specifications

Our [Abpromise guarantee](#) covers the use of **ab79625** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.0038% EGTA, 0.0462% DTT, 0.79% Tris HCl, 0.05% Tween, 0.00292% EDTA, 10% Glycerol, 0.87% Sodium chloride
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General Info

Function	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.
Tissue specificity	Expressed in brain, placental, skeletal muscle, renal, pancreatic and adipose tissues; expressed at low level in pulmonary tissue; not detected in the liver.
Pathway	Lipid metabolism; malonyl-CoA biosynthesis; malonyl-CoA from acetyl-CoA: step 1/1.

Involvement in disease	Acetyl-CoA carboxylase 1 deficiency
Sequence similarities	Contains 1 ATP-grasp domain. Contains 1 biotin carboxylation domain. Contains 1 biotinyl-binding domain. Contains 1 carboxyltransferase domain.
Post-translational modifications	Phosphorylation on Ser-1263 is required for interaction with BRCA1.
Cellular localization	Cytoplasm.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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