

## ACBD7 Protein, Human (His)

<b>Cat. No.:</b>	HY-P76709
<b>Synonyms:</b>	Acyl-CoA-binding domain-containing protein 7; ACBD7
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q8N6N7 (M1-I88)
<b>Gene ID:</b>	414149
<b>Molecular Weight:</b>	Approximately 10 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>M A L Q A D F D R A    A E D V R K L K A R    P D D G E L K E L Y    G L Y K Q A I V G D</p> <p>I N I A C P G M L D    L K G K A K W E A W    N L K K G L S T E D    A T S A Y I S K A K</p> <p>E L I E K Y G I</p>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The ACBD7 Protein plays a pivotal role in cellular metabolism by binding with specificity to medium- and long-chain acyl-CoA esters. This unique capability suggests that ACBD7 may function as a molecular carrier for these acyl-CoA species, contributing to the intracellular transport and regulation of lipid metabolism. The selective binding of ACBD7 to acyl-CoA esters underscores its potential involvement in various cellular processes related to lipid homeostasis and energy metabolism.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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