

Supplementary Materials

***R*- α -Lipoic Acid and 4-Phenylbutyric Acid Have Distinct Hypolipidemic Mechanisms in Hepatic Cells**

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List of supplementary materials includes:

Table S1

Table S2

Table S1. Oligonucleotide primer sequences used for qRT-PCR.

Gene	Sequence (5'→3') ^a	Product size (bp)	GenBank ^b	Ref.
<i>CPT1A</i>	TGGAGTCCGAAATGCTGCAA ACTGACTGTCTTCATCCGATCC	176	NM_001163034.1	c
<i>SREBP1</i>	CAGCCCCACTTCATCAAGG ACTGTTGCCAAGATGGTTCCG	161	NM_004176.4	[1]
<i>MTP</i>	TGTGGCCTTACTATGGAGGAA AAGGAGCGTAGGTCTTTGCAG	184	NM_000253.2	[2]
<i>PPIA</i>	TTCATCTGCACTGCCAAGAC TGTCCACAGTCAGCAATGGT	152	NM_001300981.1	c
<i>FASN</i>	ACAGCGGGGAATGGGTACT GACTGGTACAACGAGCGGAT	188	NM_004104.4	c
<i>DGAT1</i>	GTTATTGCGGCCAATGTCTT AACCAGTAAGACCACAGCCG	150	NM_012079.5	c
<i>DGAT2</i>	CAGGTCATCTCAGTGCTCCA TCCAGTCAAACACCAGCCAA	139	NM_032564.4	c
<i>INSIG2</i>	CACGGCTTCAGCTGTGATT TCCACTTTAGCACTGGCATG	144	NM_016133.3	c
<i>LDLR</i>	AATGGCATCACCTAGATCTC CTCCAAGATGGTCTTCCGGTT	111	NM_000527.4	[3]
<i>PCSK9</i>	CCAAGATCCTGCATGTCTTCC AACTTCAAGGCCAGCTCCAG	85	NM_174936.3	[4]

^a Shown as sense primer followed by antisense primer^b GenBank accession number^c This study

References

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4. Nilsson, L. M.; Abrahamsson, A.; Sahlin, S.; Gustafsson, U.; Angelin, B.; Parini, P.; Einarsson, C., Bile acids and lipoprotein metabolism: effects of cholestyramine and chenodeoxycholic acid on human hepatic mRNA expression. *Biochem Biophys Res Commun* **2007**, 357, (3), 707-11.

Table S2. Oligonucleotide primer sequences used for ChIP.

Gene	Sequence (5'→3') ^a	Product size (bp)	GenBank ^b	Ref.
<i>CPT1A</i>	GACAGCGGGAGAAATGCAAC AGTGAGCCCCTTTTAGACGC	171	NM_001163034.1	c
<i>INSIG2</i>	AGGGGAGGAAAAGGAGCAAA TGTGGGCGGAGTAAAGGAAT	168	NM_016133.3	c

^a Shown as sense primer followed by antisense primer

^b GenBank accession number

^c This study