

**Adrenergic stimulation of adiponectin secretion in visceral mouse  
adipocytes is blunted in high-fat diet induced obesity**

Saliha Musovic, Charlotta S Olofsson

Department of Physiology/Metabolic Physiology, Institute of Neuroscience and Physiology, The  
Sahlgrenska Academy at University of Gothenburg, Medicinargatan 11, SE-405 30 Göteborg,  
Sweden

Running title: *Adiponectin secretion in visceral adipocytes*

Word count: 4380

Corresponding author:

Dr Charlotta Olofsson

University of Gothenburg, The Sahlgrenska Academy

Dept. Neuroscience and Physiology, Section of Metabolic Physiology

Postal address: Box 432

SE-405 30 Göteborg, Sweden

ORCID ID: 0000-0001-8824-3151

E-mail: [charlotta.olofsson@gu.se](mailto:charlotta.olofsson@gu.se)

## Supplementary Table 1

<b>Alias</b>	<b>Gene symbol</b>	<b>Forward primer 5'-3'</b>	<b>Reverse primer 3'-5'</b>
$\beta$ -actin	<i>Actb</i>	GACCCAGATCATGTTTGAGA	GAGCATAGCCCTCGTAGAT
$\alpha_{1D}$	<i>Adra1d</i>	AGTGGGTGTCTTCCTAGCC	GCCTAGAACCTCCATAGTGCC
$\beta_1$	<i>Adrb1</i>	CTCATCGTGGTGGGTAACGTG	ACACACAGCACATCTACCGAA
$\beta_2$	<i>Adrb2</i>	GGGAACGACAGCGACTTCTT	GCCAGGACGATAACCGACAT
$\beta_3$	<i>Adrb3</i>	GGCCCTCTCTAGTTCCCAG	TAGCCATCAAACCTGTTGAGC
Epac1	<i>Rapgef3</i>	TCTTACCAGCTAGTGTTGAGC	AARGCCGATATAGTCGCAGATG
Epac2	<i>Rapgef4</i>	CAAGGAGAATGTCCCTTCAGAGA	GAGCATAGCCCTCGTAGAT
SNAP-23	<i>SNAP23</i>	AATCCTGGGTTTAGCCATTGAGTC	TTGGTCCATGCCTTCTTCTATGC
Stx4	<i>STX4</i>	CCCGGACGACGAGTTCTTC	TTTGATCTCCTCTCGCAGGTT
Stx5	<i>STX5</i>	CAAACAAGCAAACCGGCTCTG	ATCTTCCCAATGCGCCTGG
VAMP2	<i>VAMP2</i>	CACAATCTGGTTCTTTGAGGAG	AGAGACTTCAGGCAGGAATTAG
VAMP4	<i>VAMP4</i>	TTCAAGCGCCACCTAAATGAT	CCAGATGGTCCCCGTAGAAAAA
XBP-1s	<i>XBP1</i>	GGTCTGCTGAGTCCGCAGCAGG	GAAAGGGAGGCTGGTAAGGAAC
BiP	<i>HSPA5</i>	CCTCTCTGGTGATCAGGATA	CGTGGAGAAGATCTGAGACT
ERp44	<i>ERP44</i>	TGCGGTCTTCTGTCTTTAGC	AACGACACCAGTCAGCATAAAA
Ero1-Lalpha	<i>ERO1A</i>	TTCTGCCAGGTTAGTGGTTACC	GTTTGACGGCACAGTCTCTTC
Rap1a	<i>Rap1a</i>	ATGCGTGAGTACAAGCTAGTAGT	AATCTACCTCGACTTGCTTTCTG
Rap1b	<i>Rap1b</i>	ATGCGTGAATATAAGCTCGTCG	GCGAAGCCTTGCCGTTCT
Rab3a	<i>Rab3a</i>	GTGGGCAAAACCTCGTTCCT	TCCTCTTGTCGTTGCGGTAGA