

1. Gene expression analysis				
Component		Manufacturer	Cat.No.	
NucleoSpin RNA Plus kit		Macherey-Nagel, Germany	740984.250	
2. qRT-PCR Primers				
Name	5'-3'	Target NCBI	Position	Product
<i>Slc8b1 fwd</i>	TGCACTGGCTCTTTGCTTTC	NM_133221.2	1399-1418	100 bp
<i>Slc8b1 rev</i>	ATCACACCCAGGGACCGTAA		1498-1479	
<i>Mcu fwd</i>	TGACTCAGTCGGCGTGTTTT	NM_001033259.4	334-353	87 bp
<i>Mcu rev</i>	CGAACGCCATCTGGTGAGTA		420-401	
3. End-point PCR analysis				
Component		Manufacturer		Cat.No.
NucleoSpin RNA XS kit		Macherey-Nagel, Germany		740902.50
iScript™ cDNA Synthesis kit		Bio-Rad, USA		1708890
DreamTaq Hot Start DNA Polymerase		Thermo Fisher Scientific, USA		EP1702

Table S1. Primer sequences and qRT-PCR product characteristics

4. Fluorescent microscopy solutions		
Component	Manufacturer Cat.No.	Standard HEPES pH=7.5
NaCl	Sigma-Aldrich, Germany ,S9888	140 mM
KCl	Sigma-Aldrich, Germany, P3911	5 mM
MgCl ₂	Sigma-Aldrich, Germany, M2670	1 mM
CaCl ₂	Sigma-Aldrich, Germany, 223506	1 mM
HEPES	Sigma-Aldrich, Germany, H3375	10 mM
Glucose	Sigma-Aldrich, Germany, G8270	10 mM

Table S2. Composition of solutions used for fluorescence microscopy

