

Supplemental information

Supplemental Table 1.

Pooled siRNAs consisted of 4 single siRNAs with the following sequences

siRNA	Thermo Scientific ON-TARGETplus SMARTpool (Dharmacon RNAi Technologie)	
pooled QPCT-siRNA	consist of	target sequence
QPCT_1	J-012474-05, QPCT	CUAUGGGUCUCGACACUUA
QPCT_2	J-012474-06, QPCT	GUACCGGUCUUUCUCAAU
QPCT_3	J-012474-07, QPCT	CCCUAAAAGACUGUUUCAGA
QPCT_4	J-012474-08, QPCT	GGAACUUGCUCGUGCCUUA
Non Target Control	NTC	unknown
siRNA	Qiagen FlexiTube siRNA	
pooled QPCT-siRNA	consist of	target sequence
QPCT_5	Hs_QPCT_5	CAGGTGGTTTCGAAAGACTTCA
QPCT_6	Hs_QPCT_7	TTCGAAAGACTTCAAGCAATT
QPCT_7	Hs_QPCT_8	CAGGTTTCATTCATTCACGAT
QPCT_8	Hs_QPCT_9	CTCTATGGGTCTCGACACTTA

Supplemental Table 2.

Primer sequences of the human genes

Name	Forward	Reverse
<i>CCL2</i>	GCCTCCAGCATGAAAGTCTC	CAGATCTCCTTGGCCACAAT
<i>ICAM1/CD54</i>	GGCTGGAGCTGTTTGAGAAC	TCACACTGACTGAGGCCTTG
<i>CX3CL1</i>	TCTGCCATCTGACTGTCCTG	CTGTGCTGTCTCGTCTCCAA
<i>GAPDH</i>	ACCCAGAAGACTGTGGATGG	TTCTAGACGGCAGGTCAGGT
<i>YWHAZ</i>	AGCAGGCTGAGCGATATGAT	TCTCAGCACCTCCGTCTTT

Fig 1 Supplement

Conversion of Q1-CX3CL1 to pE1-CX3CL1 in human serum

At time point 0 min, the major peak corresponds to a mass of 8630, which is close to the theoretical molecular weight (8639) of Q1-CX3CL1. After incubating Q1-CX3CL1 with human serum for 30 min, the major peak corresponds to a mass of 8613, which is close to the theoretical molecular weight (8622) of pE1-CX3CL1. The doublet at 8286/8303 corresponds to a shortened peptide produced by limited proteolysis at the C-terminus (release of C-terminal RNG tripeptide). The C-terminal cleavage is independent of N-terminal cyclisation reaction.

