

Supplementary legends

Table S1. Myokine presence in conditioned media from human myotubes.

Protein expression normalized to internal positive control.

Non-detectable: protein expression below 3-fold negative control.

Treated-/non-treated ratio corresponds to protein expression for non-insulin-treated relative to insulin-treated myotubes. Ratios ≤ 0.8 and ≥ 1.2 were considered as an insulin induced change.

n=2

Figure S1. Cytokines/chemokines antibody array

Cytokine/Chemokine array layout (A). Array membranes from non-insulin treated and insulin-treated myotubes conditioned media (B) of one representative experiment.

Supplementary data

Table S1

	Expression in conditioned media from		Treated-/non-
	Non-treated-myotubes	Insulin-treated myotubes	treated ratio
	(mean \pm SD)	(mean \pm SD)	
GCP2	0.21 \pm 0.05	Non-detectable	
MIP3alpha	0.23 \pm 0.06	Non-detectable	
MIF	0.25 \pm 0.01	0.16 \pm 0.09	0.62
CCL23	0.15 \pm 0.04	Non-detectable	
ENA-78/CXCL5	0.32 \pm 0.16	0.21 \pm 0.19	0.64
NT3	0.29 \pm 0.08	0.19 \pm 0.06	0.66
MCP1/CCL2	0.87 \pm 0.47	0.58 \pm 0.53	0.66
PLGF	0.19 \pm 0.01	Non-detectable	
GDNF	0.29 \pm 0.06	0.20 \pm 0.13	0.68
IL6	0.15 \pm 0.07	Non-detectable	
IL16	0.16 \pm 0.04	Non-detectable	
IP10	0.15 \pm 0.07	Non-detectable	

HGF	0.23 ± 0.06	0.17 ± 0.11	0.74
TGFbeta2	0.28 ± 0.01	0.21 ± 0.09	0.75
FGF9	0.16 ± 0.00	Non-detectable	
IL8/CXCL8	0.87 ± 0.57	0.66 ± 0.40	0.75
TIMP2	0.54 ± 0.05	0.42 ± 0.11	0.79
M-CSF	0.17 ± 0.08	Non-detectable	
RANTES/C	0.28 ± 0.05	0.23 ± 0.08	0.84
CL5			
IGFBP1	0.22 ± 0.08	0.18 ± 0.11	0.84
IL1alpha	0.21 ± 0.01	0.18 ± 0.02	0.85
NAP2/CXC	0.43 ± 0.02	0.37 ± 0.13	0.86
L7			
IL1beta	0.18 ± 0.03	0.16 ± 0.00	0.89
TIMP1	0.57 ± 0.06	0.52 ± 0.20	0.91
OSM	0.18 ± 0.04	0.16 ± 0.07	0.91
GRO/	1.00 ± 0.52	0.92 ± 0.35	0.92
CXCL1,2&3			
IL3	0.16 ± 0.05	Non-detectable	

IGFBP2	0.24 ± 0.04	0.24 ± 0.09	0.98
LIF	0.18 ± 0.00	0.18 ± 0.06	1.00
EOTAXIN2	0.16 ± 0.07	0.18 ± 0.11	1.09
IL10	0.16 ± 0.08	0.20 ± 0.05	1.22
ANG	Non-detectable	0.20 ± 0.08	
MIP-1	0.19 ± 0.06	0.50 ± 0.40	2.63

Figure S1

A

	A	B	C	D	E	F	G	H	I	J	K
1	POS	POS	POS	POS	NEG	NEG	ENA-78/ CXCL5	G-CSF	GM-CSF	GRO	GRO α
2	I-309	IL1 α	IL1 β	IL2	IL3	IL4	IL5	IL6	IL7	IL8/ CXCL8	IL10
3	IL12p40/ p70	IL13	IL15	IFN γ	MCP1/ CCL2	MCP2/ CCL8	MCP3/ CCL7	M-CSF	MDC	MIG	MIP-1
4	MIP-1 δ	RANTES/ CCL5	SCF	SDF1	TARC	TGF β 1	TNF α	TNF β	EFG	IGF-1	ANG
5	OSM	THPO	VEGF	PDGF BB	LEPTIN	BDNF	BLC	CCL23	Eotaxin 1	Eotaxin 2	Eotaxin 3
6	FGF4	FGF6	FGF7	FGF9	Flt3 Ligand	Fractalkine/ CX3CL1	GCP2	GDNF	HGF	IGFBP1	IGFBP2
7	IGFBP3	IGFBP4	IL16	IP10	LIF	LIGHT	MCP4/ CCL13	MIF	MIP3 α	NAP2/ CXCL7	NT3
8	NT4	OPN	OPG	PARC	PLGF	TGF β 2	TGF β 3	TIMP1	TIMP2	POS	POS

B

Conditioned media from

Non-insulin-treated myotubes

Insulin-treated myotubes

