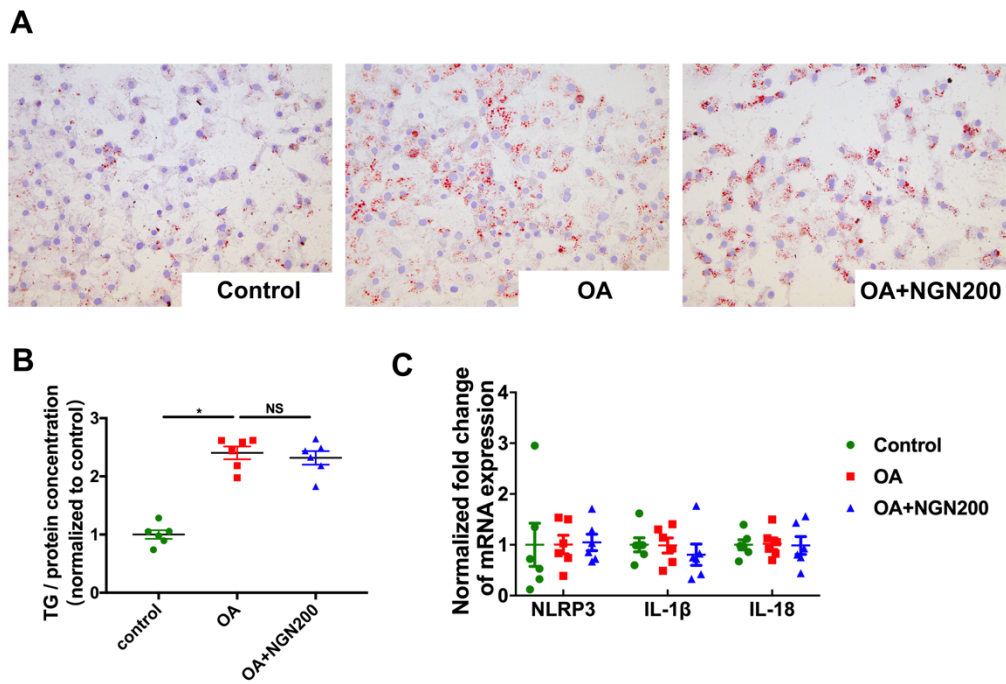


s-Fig.1. NGN had no significant regulatory effects on the mRNA expression of the genes related to lipid metabolism, oxidative stress and endoplasmic reticulum stress. (A) mRNA expression of lipid metabolism genes. (B) mRNA expression of oxidative stress genes. (C) mRNA expression of endoplasmic reticulum stress genes. n=6 in each group.



s-Fig.2. NGN could not attenuate lipid accumulation stimulated by OA alone in HepG2 cells. (A) Oil red O staining of OA-stimulated HepG2 cells. (B) The content of TG in HepG2 cells. (C) mRNA expression of NLRP3, IL-1 β and IL-18. n=6 in each group.

s-Table 1 Primers used for qPT-PCR experiments

Genes		Sequences
TNF- α (mouse)	forward	CCCTCACACTCAGATCATCTTCT
	reverse	GCTACGACGTGGGCTACAG
IL-18 (mouse)	forward	GACTCTTGCGTCAACTTCAAGG
	reverse	CAGGCTGTCTTTTGTCAACGA
IL-1 β (mouse)	forward	GAAATGCCACCTTTTGACAGTG
	reverse	TGGATGCTCTCATCAGGACAG
IL-6 (mouse)	forward	TAGTCCTTCTACCCCAATTTCC
	reverse	TTGGTCCTTAGCCACTCCTTC
NF- κ B (mouse)	forward	ATGGCAGACGATGATCCCTAC
	reverse	TGTTGACAGTGGTATTTCTGGTG
NLRP3 (mouse)	forward	ATTACCCGCCCGAGAAAGG
	reverse	TCGCAGCAAAGATCCACACAG
GAPDH (mouse)	forward	TCCTTGGAGGCCATGTGGGCCAT
	reverse	TGATGACATCAAGAAGGTGGTGAAG
ACC (mouse)	forward	ATGGGCGGAATGGTCTCTTTC
	reverse	TGGGGACCTTGTCTTCATCAT
FAS (mouse)	forward	TATCAAGGAGGCCCATTTTGC
	reverse	TGTTTCCACTTCTAAACCATGCT
SCD1 (mouse)	forward	TTCTTGCGATACTCTGGTGC
	reverse	CGGGATTGAATGTTCTTGTCGT
SREBP-1c (mouse)	forward	GCAGCCACCATCTAGCCTG
	reverse	CAGCAGTGAGTCTGCCTTGAT
CPT1 (mouse)	forward	CTCCGCCTGAGCCATGAAG
	reverse	CACCAGTGATGATGCCATTCT
PPAR α (mouse)	forward	AGAGCCCCATCTGTCCTCTC
	reverse	ACTGGTAGTCTGCAAACCCAAA
SOD1 (mouse)	forward	AACCAGTTGTGTTGTCAGGAC
	reverse	CCACCATGTTTCTTAGAGTGAGG
SOD2 (mouse)	forward	CAGACCTGCCTTACGACTATGG
	reverse	CTCGGTGGCGTTGAGATTGTT
HO-1 (mouse)	forward	AAGCCGAGAATGCTGAGTTCA
	reverse	GCCGTGTAGATATGGTACAAGGA
Nrf2 (mouse)	forward	CTTTAGTCAGCGACAGAAGGAC
	reverse	AGGCATCTTGTTTGGGAATGTG
GRP78 (mouse)	forward	GCCTGTATTTCTAGACCTGCC
	reverse	TTCATCTTGCCAGCCAGTTG
Chop (mouse)	forward	AATCAGAGCTGGAACCTGAGGA
	reverse	TGCTTTCAGGTGTGGTGATGTATG
NLRP3 (human)	forward	GATCTTCGCTGCGATCAACAG
	reverse	CGTGCATTATCTGAACCCAC
IL-1 β (human)	forward	CAGAAGTACCTGAGCTCGCC
	reverse	AGATTCGTAGCTGGATGCCG

IL-18 (human)	forward	TCTTCATTGACCAAGGAAATCGG
	reverse	TCCGGGGTGCATTATCTCTAC
β -actin (human)	forward	GTCATTCCAAATATGAGATGCGT
	reverse	GCTATCACCTCCCCTGTGTG
