Claims

1. A peptide consisting of the amino acid sequence of SEQ ID NO: 4 or 5.

2. A peptide consisting of the amino acid sequence of SEQ ID NO: 4 or 5 and exhibiting anti-obesity or anti-diabetes activity.

3. The peptide of claim 2, wherein the peptide suppresses adipogenesis.

4. The peptide of claim 2, wherein the peptide reduces expression of PPARγ (peroxisome proliferator-activated receptor gamma), ACC (acetyl-CoA carboxylase), or aP2 (adipose-specific fatty acid-binding protein 2).

5. The peptide of claim 2, wherein the peptide promotes lipolysis.

6. The peptide of claim 2, wherein the peptide increases expression of pHSL (phospho-hormone-sensitive lipase), AMPK-α1 (AMP-activated protein kinase α1), CGI-58 (comparative gene identification-58), or ATGL (adipose triglyceride lipase).

7. The peptide of claim 2, wherein the peptide reduces a blood sugar level.

8. A pharmaceutical composition, comprising the peptide of any one of claims 2 to 7 as an effective ingredient for preventing or treating obesity.

9. A pharmaceutical composition, comprising the peptide of any one of claims 2 to 7 as an effective ingredient for preventing or treating diabetes.

10. A method for preventing or treating obesity or diabetes, comprising administering a pharmaceutically effective amount of the peptide of any one of claims 2 to 7 into a subject.

11. Use of a peptide of any one of claims 2 to 7 in the manufacture of a medicament for preventing or treating obesity or diabetes.

12. The peptide of any one of claims 1 to 7 for use in medicine.

13. A pharmaceutical composition comprising the peptide of any one of claims 2 to 7 for use in medicine.