CLAIMS

1. Use of *Mentha arvensis* extract in the manufacture of a medicament for treating damages of skin cells by microdust,

wherein the medicament inhibits the expression ofIL-36G (NM_019618), S100A7 (NM_002963), LCE3D (NM_032563), PTGS2 (NM_000963), and XDH (NM_000379).

2. The use according to claim 1,

wherein the treating damages of skin cells by microdust is at least one selected from the group consisting of treating or improving atopic dermatitis, psoriasis, and anti-inflammation.

3. Use of *Mentha arvensis* extract in the manufacture of a medicament for treating or improving atopic dermatitis or psoriasis,

wherein the medicament inhibits the expression of IL-36G (NM_019618), S100A7 (NM_002963), and LCE3D (NM_032563).

4. Use of *Mentha arvensis* extract as an active ingredient in the manufacture of a medicament for anti-inflammation,

wherein the medicament inhibits the expression of PTGS2 (NM_000963).

5. The use according to any one of claims 1 to 4,

wherein the content of the *Mentha arvensis* extract is 0.000001 to 30% by weight based on the total weight of the medicament.

6. The use according to any one of claims 1 to 4,

wherein the *Mentha arvensis* extract is extracted with at least one extraction solvent selected from the group consisting of water, C_1–C_6 anhydrous or hydrated lower alcohol, acetone,

butylene glycol, ethyl acetate, diethyl acetate, diethyl ether, benzene, chloroform, and hexane.

7. The use according to any one of claims 1 to 4,
wherein the *Mentha arvensis* extract is extracted from the leaves of *Mentha arvensis*.

8. The use according to any one of claims 1 to 4,
wherein the *Mentha arvensis* is fermented *Mentha arvensis*, and
the fermentation is carried out by adding a microorganism of the genus *Acetobacter sp*.

9. The use according to claim 8,
wherein the microorganism of the genus *Acetobacter sp*. is *Acetobacter aceti*.

10. The use according to any one of claims 1 to 4,
wherein the medicament inhibits the expression of the genes in keratinocytes.

11. The use according to any one of claims 1 and 3 to 4,
wherein the *Mentha arvensis* extract is to be administered at a dose of 10 to 500 mg/kg/day.