THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. Lactobacillus fermentum WiKim0102 of accession number KCCM12356P, having a 16S rRNA represented by SEQ ID NO: 1.

2. A pharmaceutical composition comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient, and optionally a pharmaceutically acceptable carrier.

3. A pharmaceutical composition for use in prevention or treatment of cancer comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

4. Use of Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture in the manufacture of a pharmaceutical composition for prevention or treatment of cancer.

5. The pharmaceutical composition for use according to claim 3 or the use according to claim 4,

wherein the cancer is any one cancer selected from the group consisting of bladder cancer, breast cancer, melanoma, thyroid cancer, parathyroid cancer, rectal cancer, throat cancer, laryngeal cancer, esophageal cancer, pancreatic

cancer, stomach cancer, tongue cancer, skin cancer, brain tumor, uterine cancer, gallbladder cancer, oral cancer, colon cancer, anal region cancer, liver cancer, lung cancer and colorectal cancer.

6. The pharmaceutical composition for use or the use according to claim 5,

wherein the lung cancer is non-small cell lung cancer.

7. The pharmaceutical composition for use according to any one of claims 3, 5 and 6 or the use according to any one of claims 4 to 6,

wherein the composition is administrable by oral administration or parenteral administration.

8. The pharmaceutical composition for use or the use according to claim 7,

wherein the parenteral administration is intravenous injection administration.

9. The pharmaceutical composition for use according to any one of claims 3 and 5 to 8 or the use according to any one of claims 4 to 8,

wherein the composition is in a living cell form.

10. A food composition comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

11. A food composition for use in prevention or improvement of cancer comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

12. Use of Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture in the manufacture of a food composition for prevention or improvement of cancer.

13. The food composition according to claim 10, the food composition for use according to claim 11, or the use of claim 12,

wherein the food is health functional food.

14. The food composition according to claim 10 or claim 13, or the food composition for use according to claim 11 or claim 13, or the use according to claim 12 or claim 13,

wherein the food is any one food selected from the group consisting of bread, rice cake, candy, chocolate, gum, ice cream, milk, cheese, processed meat products, processed fish products, kimchi, soy sauce, soybean paste, red pepper

paste, black bean paste, fermented soybean paste, vinegar, ketchup, curry, dressing, beverages and fermented milk.

15. A food additive composition comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

16. A food additive composition for use in prevention or improvement of cancer comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

17. Use of Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture in the manufacture of a food additive composition for prevention or improvement of cancer.

18. A feed composition for livestock comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

19. A feed composition for use in prevention or improvement of cancer in livestock comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

20. Use of Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture in the manufacture of a feed composition for prevention or improvement of cancer in livestock.

21. The feed composition according to claim 18, or the feed composition for use according to claim 19, or the use according to claim 20,

wherein the livestock is any one selected from the group consisting of pig, cow, horse, sheep, rabbit, goat, mouse, hamster, guinea pig, dog, cat, chicken, turkey, duck, goose, pheasant, quail, carp, crucian carp and trout.

22. A feed additive composition for livestock comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

23. A feed additive composition for use in prevention or improvement of cancer of livestock comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

24. Use of Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture in the manufacture of a feed additive composition for prevention or improvement of cancer of livestock.

25. A lactic acid bacteria starter for fermentation comprising Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture as an active ingredient.

26. Use of Lactobacillus fermentum WiKim0102 (accession number KCCM12356P) or its culture in the manufacture of the composition of any one of claims 2 to 9 for prevention or treatment of cancer in a subject other than humans.

27. The use according to claim 26,

wherein the composition is formulated for administration at a dose of 0.1㎖ of Lactobacillus fermentum WiKim0102 at a concentration of 1×10^{10} CFU/㎖ by intravenous injection.

28. The use according to claim 27,

wherein the composition is formulated for administration three times at an interval of 6 days.