

Characteristics

- Recommended Time of Administration**
 It is advised to consume one capsule per day, either before or after meals. The capsule should be ingested with water.
- Compatibility with Anti-Diabetic Medication**
 Microbiome Probiotics DangQLac is a probiotic supplement. If you do not have any contraindications for probiotics, it is generally considered safe for use. However, individual responses may vary; hence, consultation with a healthcare professional is highly recommended prior to administration. (Please refer to the Precautions section for further details.)
- Recommended Time of Administration**
 It is advised to consume one capsule per day, either before or after meals. The capsule should be ingested with water.
- Co-Administration with Other Dietary Supplements**
 If you have no known issues with probiotic consumption, it is generally safe to take this supplement in conjunction with other dietary supplements. However, consultation with a healthcare professional is advised for personalized recommendations.
- Applicability Across Blood Sugar Levels**
 This product is suitable for a wide range of individuals, from those who are proactively managing their blood sugar levels to those who require immediate blood sugar care. It is appropriate for consumption by individuals across all age groups and genders.
- Suitability for Pregnant or Breastfeeding Women**
 Microbiome Probiotics DangQLac is a certified functional food supplement with recognized safety profiles. Nonetheless, pregnancy and lactation are critical periods that require caution in regard to any ingested substances. Consultation with a healthcare professional is strongly recommended prior to consumption. (Please refer to the Precautions section for further details.)

Nutrition information

[*Lactobacillus plantarum* HAC01 Probiotics (License No. 2022-21)] may assist in regulating post-meal blood sugar levels, promote the growth of beneficial probiotics, inhibit harmful bacteria, and support regular bowel movements and overall intestinal health.

Daily intake : 1 Capsule (190 mg)			
Amount per daily serving	0 kcal	Protein	0 g(0 %)
Carbohydrates	0 g(0 %)	Sodium	0 g(0 %)
Fat	0 g(0 %)		

※ The figures within the () represent the percentage of the daily nutritional value.

[**Ingredient List and Composition**] *Lactobacillus plantarum* HAC01 (License No. 2022-21), Seaweed Mixed Powder (Seaweed Calcium, Corn Starch), Corn Starch, Rice Bran Dietary Fiber, Non-Digestible Maltodextrin, Bamboo Sap Extract Powder

[**Capsule Composition**] Hydroxypropyl Methylcellulose, Calcium Carbonate, Purified Water, Carrageenan, Sorbitan Fatty Acid Ester, Magnesium Chloride, Glycerin, Potassium Chloride. (Contains Milk and Soy.)

[**Packaging Material**] Container: Aluminum, Hardened Polyester Resin (Coating), Cap: LDPE, Paper

[**Administration**] Take one capsule per day with water

[**Precautions to use**] Consult a healthcare professional if you have medical conditions, are on medications, or belong to vulnerable groups like infants or pregnant women. Monitor dosage in minors and cease use if adverse reactions occur.

[**Storage**] keep out of direct light and store in a cool, dry place. Keep the medicine out of reach of children

[**Shelf Life**] 18 months from the date of manufacture.

[**Packaging Information**] 30 capsules per bottle.

- ※ For detailed regulatory approvals, please refer to the Food Safety Information Portal (<http://www.foodsafetykorea.go.kr>).
- ※ This product is a dietary supplement.
- ※ This product is not intended to diagnose, treat, cure, or prevent any disease.

Microbiome Probiotics DangQLac

Product Information Summary

Owner and Organization responsible for the Product
 YUHAN CORPORATION
 74, Noryangjin-ro, Dongjak-gu, Seoul

Research and Development
 AtoGEN Co., Ltd
 Techno 1-ro, Gwanpyeong-dong, Yuseong-gu, Daejeon

Manufacturer
 Cosmaxnbt Co., Ltd
 127-16, Deokpyeong-ro 663beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do

Y's BIOME

CARE

Microbiome Probiotics DangQLac

Lactobacillus plantarum HAC01
 The product may assist in inhibiting the rise of blood sugar levels after meals.



MED-KR-DQL-2300003

Microbiome Probiotics DangQLac

Product Information Summary

Blood Sugar Probiotics

Simultaneously Aids in Post-Meal Blood Sugar Regulation and Intestinal Health



Verified through Human Clinical Trials



Safe Ingredients for Daily Consumption



Convenient Intake Anytime, Anywhere

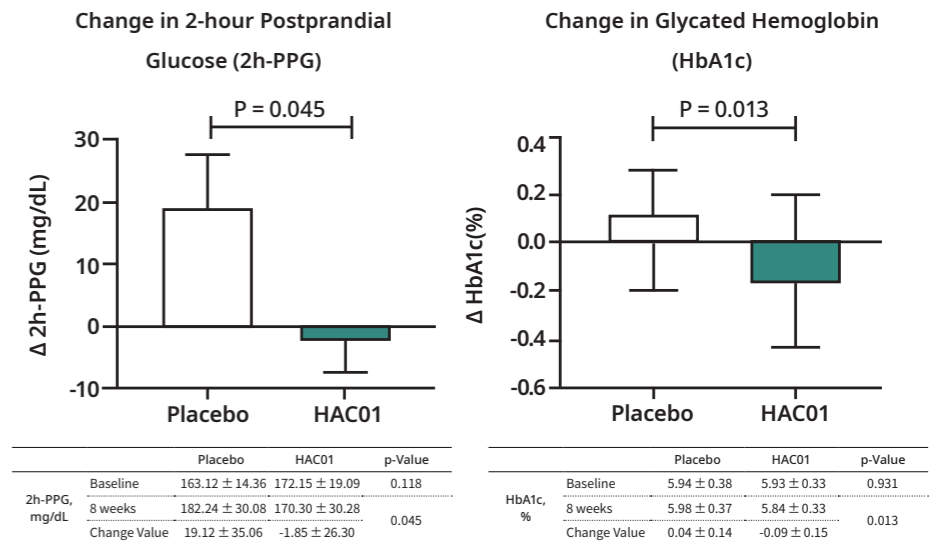
Verified Human Clinical Trials of Functional Ingredient *L. plantarum* HAC01

* Strain specify Approved by the Korean Food and Drug Administration (License No. 2022-21)

Clinical Trials

Verified Human Clinical Trials of Functional Ingredient *L. plantarum* HAC01

Significant reductions in 2-hour postprandial glucose and glycated hemoglobin compared to control.



Subjects

37 subjects with impaired glucose tolerance, aged between 19 and 70 years. (140 ≤ 2h-PPG ≤ 199 mg/dL) *L. plantarum* HAC01 (4x10⁹ CFU/day) consumed for 8 weeks

Trial design

Randomized | Double-Blind | Placebo-Controlled

Conducted by

Functional Food Clinical Trials Support Center, Chonbuk National University Hospital

* Reference : Oh MR, Jang HY, Lee SY, et al. Nutrients. 2021;13(7):2337

Mechanism



Action1

[Liver] Glucose Metabolism Regulation

Activation of biological enzymes (AMPK, Akt)

DUAL ACTION

Action2

[Gut] Gut Microbiota Modulation

Increase in beneficial gut bacteria and their metabolites.

* Reference : Lee YS, Lee D, Park GS, et al. Food Funct. 2021;12(14):6363-6373



[China]



[USA]



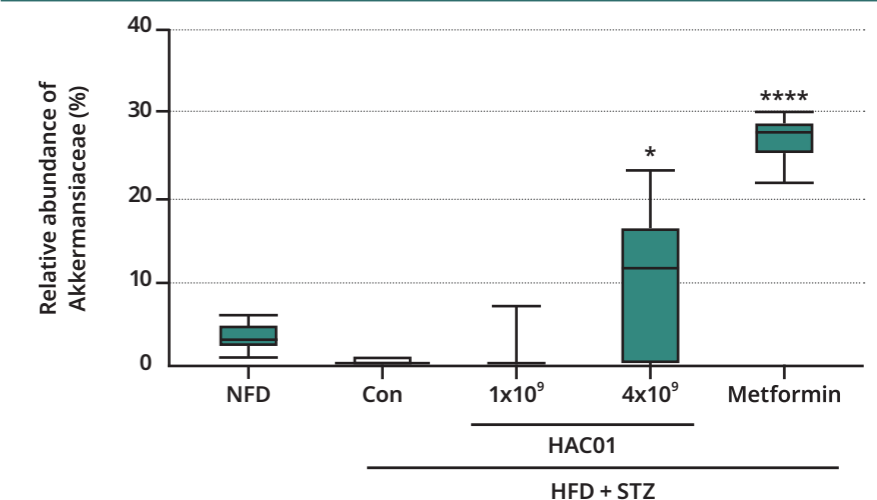
[South Korea]

Patents

Animal Test

Animal Trial Results for Functional Ingredient *L. plantarum* HAC01 Probiotics

Significant increase in beneficial gut bacteria (Akkermansiaceae) compared to the control group.



Methology Administered *L. plantarum* HAC01 (1x10⁹, 4x10⁹ CFU/day) or Metformin (300 mg/kg) orally for 10 weeks to 50 mice with Type 2 diabetes induced by a high-fat diet and streptozotocin.

* Reference : Lee YS, Lee D, Park GS, et al. Food Funct. 2021;12(14):6363-6373