

Hair Growth Activity and Ingredient Analysis of Cactus Cell Extract

Junko Shibato

School of Pharmacy and Pharmaceutical Sciences, Hoshi University

In recent years, the population of people with thinning hair has been increasing due to a variety of reasons, including stress from work, relationships, diet, etc. Since hair greatly influences one's appearance and age, interest in hair growth in the hair care market is growing among both men and women. Since the psychological impact of thinning hair is particularly serious, the development of an effective hair-growth product will contribute to the maintenance and improvement of consumers' mental and physical health, and thus an epoch-making hair-growth product is expected to be developed. However, in reality there are few products that provide sufficient hair-growth effects and for which the scientific basis for the hair-growth effects has been clarified. Moreover, the problematic side effects caused by chemical substances in 'hair growth products' remains a serious issue that cannot be ignored.

We have been paying attention and researching since long on the hair-growing effects of cactus cell extracts obtained through low-temperature vacuum extraction. Compared to the conventional steam distillation method, the cell extract obtained by low-temperature vacuum extraction is 100% plant-derived, and we believe that it can contribute to the provision of materials for hair-growth agents with high safety. Since ancient times, Japanese women have valued the beauty of their hair. Since beautiful hair has always been a longing of women, we hope to develop hair growth products that also care for beautiful hair by clarifying the mechanism of action of cactus cell extract on hair growth and the ingredients involved in nurturing beautiful hair.