

LACTIC-ACID-BACTERIA-CONTAINING COMPOSITION, ORAL
PHARMACEUTICAL COMPOSITION FOR TREATING HPV INFECTION
AND/OR HPV-ASSOCIATED TUMORS, AND MUCOSAL IMMUNITY-INDUCING
AGENT

5

ABSTRACT

A lactic acid bacterium-containing composition including a lactic acid
bacterium having a human papillomavirus (HPV) E7 protein-derived polypeptide on
a surface thereof, wherein the HPV E7 protein-derived polypeptide is included in an
10 amount of 0.03 μg to 1.0 μg per 1×10^8 lactic acid bacteria; a therapeutic oral
pharmaceutical composition for at least one of an HPV infectious disease and an
HPV-associated tumor which includes the lactic acid bacterium-containing
composition; and a mucosal immunity-inducing agent which includes the lactic acid
bacterium-containing composition.