

COMPOSITION INHIBITING MUSCLE LOSS OR PROMOTING MUSCLE
FORMATION THROUGH SKIN-DERIVED EXOSOMES

【ABSTRACT】

5 The present invention relates to a composition that increases the level of
microRNA-26a in an extracellular vesicle and a use thereof, the composition
increases the level of microRNA-26a (miRNA-26a) in an exosome secreted from
cells. And the exosome reduces the expression of MURF1, atrogen-1, and
myostatin, which are biomarkers involved in muscle loss, and may increase the
10 expression of myoD which is involved in myogenesis. Therefore, the composition,
which increases the level of microRNA-26a in the vesicle, may be utilized for a use
of suppressing muscle loss and promoting myogenesis.