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ACTION

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(54) Title: METHODS AND COMPOSITIONS FOR THE PROMOTION OF HAIR GROWTH UTILIZING ACTIN BINDING PEPTIDES

(57) Abstract: Disclosed herein are methods and compositions suitable for the promotion of hair growth on humans and other animals. Disclosed embodiments include compositions comprising actin-binding peptides. In some embodiments, the actin-binding peptides comprise fragments of thymosin β_4. In other embodiments, the disclosure provides compositions comprising fragments of thymosin β_4 and/or other actin-binding peptides that are suitable for the treatment of alopecia and other conditions associated with hair loss. In still further embodiments, the disclosure provides compositions comprising the sequence of approximately six or seven amino acids of the thymosin β_4 sequence that bind actin.