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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(51) International Patent Classification 6 :**

**C07K 14/575, A23K 1/165, A61K 38/22**

## A1

**(11) International Publication Number:**

✓ WO 97/08202

**(43) International Publication Date:**

**6 March 1997 (06.03.97)**

**(21) International Application Number:** PCT/SE96/01049

**(22) International Filing Date:** 23 August 1996 (23.08.96)

**(30) Priority Data:**

9502936-9

24 August 1995 (24.08.95) ✓ SE

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(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG SI, SK, SK (Utility model), TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

**Published**

**With international search report.**

(54) Title: ANTISECRETORY FACTOR PEPTIDES REGULATING PATHOLOGICAL PERMEABILITY CHANGES

**(57) Abstract**

A new recombinant protein called Antisecretory Factor (rAF) and homologues and peptide fragments thereof are described. The protein and the homologues and fragments thereof are useful for normalising pathological fluid transport and/or inflammatory reactions in animals including humans. Antibodies against AF or homologues or fragments thereof are described. Nucleic acids coding for the protein or for homologues or fragments thereof are also described as well as vectors and hosts comprising the nucleic acids. The rAF and homologues and fragments thereof could be used for immunodetection, as feed additive for growing animals and as antidiarrheal and drugs against diseases involving edema, dehydration and/or inflammation.

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