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(54) **G PROTEIN-COUPLED RECEPTOR
PROTEIN, ITS DNA AND LIGAND THEREOF**

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(58) **Field of Classification Search** None
See application file for complete search history.

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(57) **ABSTRACT**

The polypeptides in the present invention possess the effects
of promoting and inhibiting the secretion of prolactin, and
are thus useful as drugs for the prevention and treatment of
various diseases, in terms of prolactin secretion stimulants,
which are associated with the secretion of prolactin, such as
hypoovarianism, spermatic underdevelopment, menopausal
symptoms, hypothyroidism, etc. The polypeptides are useful
as drugs for the prevention and treatment of various dis-
eases, in terms of prolactin secretion inhibitors, which are
associated with the secretion of prolactin, such as pituitary
tumor, diencephalon tumor, menstrual disorder, autoimmune
diseases, prolactinoma, sterility, impotence, amenorrhea,
lactorrhea, acromegaly, Chiari-Frommel syndrome, Argonz-
del Castilo syndrome, Forbes-Albright syndrome, lym-
phoma, Sheehan's syndrome, spermatogenesis disorder, etc.

24 Claims, 15 Drawing Sheets