Recmbinant Canine Thyroid Stimulating Hormone and Methods of Production and Use Thereof

Description of Technology

This technology is a method for providing an improved source for pure canine thyroid stimulating hormone (TSH) by using recombinant technology.

Applications

Recombinant Canine Thyroid Stimulating Hormone can be used to test pets for hypothyroidism without harvesting TSH from bovine pituitary glands, as bovine pituitary derivatives pose a danger for transmission of diseases including bovine spongiform encephalitis (BSE – “mad cow” disease) and rabies.

Features & Benefits

This technology features the following benefits: (1) production of consistent batch-to-batch canine TSH in order to avoid the hazards associated with harvesting and purifying TSH from bovine pituitaries, and (2) TSH can be engineered to increase half-life and bioactivity, thus further maximizing efficacy and cost-efficiency.