

relaxin structure function and pdf

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(PDF) The Relaxin Peptide Family-Structure, Function and

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The Relaxin Peptide Family – Structure, Function and

Relaxin is a protein hormone of about 6000 Da first described in 1926 by Frederick Hisaw. The relaxin-like peptide family belongs in the insulin superfamily and consists of 7 peptides of high structural but low sequence similarity; relaxin-1, 2 and 3, and the insulin-like (INSL) peptides, INSL3, INSL4, INSL5 and INSL6.

Relaxin - Wikipedia

Relaxin: structures, functions, promises, and nonevolution CHRISTIAN SCHWABE1
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Relaxin: structures, functions, promises, and nonevolution

Relaxin regulation of endometrial structure and function in the rhesus monkey Laura T. Goldsmith*, Gerson Weiss*, Smita Palejwala*, Tony M. Plant*, Andrea Wojtczuk*, W. Clark Lambert*

Relaxin regulation of endometrial structure and function

Relaxin is a hormone structurally related to insulin and insulin-like growth factor, which exerts its regulatory effect on the musculoskeletal and other systems through binding to its receptor in various tissues, mediated by different signaling pathways.

The effect of relaxin on the musculoskeletal system

Relaxin is a reproductive hormone with pleiotropic actions. In addition to airway fibrosis, relaxin deficiency results in airway structural changes (epithelial thickening) and increased lung recoil, suggesting that relaxin may impact other aspects of airway/lung structure and function beyond its ability to regulate collagen turnover.

Relaxin Plays an Important Role in the Regulation of

Relaxin has pronounced effects upon endometrial function which support our hypothesis that relaxin is an important player in early pregnancy maintenance. These novel actions of relaxin include increased arteriole number, increased number of lymphocytes, neutrophils, macrophages and uNK cells, inhibition of ER alpha and PR isoforms, and inhibition of MMP-1 and stimulation of TIMP-1. In addition ...

Relaxin in Human Pregnancy - PubMed Central (PMC)

Relaxin is a hormone produced by the ovary and the placenta with important effects in the female reproductive system and during pregnancy. In preparation for childbirth, it relaxes the ligaments in the pelvis and softens and widens the cervix.

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