

Datasheet for ABIN6720306 **Relaxin 1 ELISA Kit**



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Overview

Quantity:	1 kit
Target:	Relaxin 1 (RLN1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	78 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: H1RLX, Preprorelaxin H1, PreprorelaxinH1, Prorelaxin, Prorelaxin H1, ProrelaxinH1, REL1_HUMAN, Relaxin 1 (H1), Relaxin A chain, Relaxin H1, Relaxin1, RelaxinH1, RLN 1, RLN1, RLX H1, RLXH 1, RLXH</p> <p>Background: Relaxin 1 is a member of relaxin-like peptide family. Relaxin gene maps to human chromosome 19 near D19Mit23. Relaxin is a peptide hormone produced by the corpora lutea of ovaries during pregnancy in many mammalian species, including man. Relaxin widens the pubic bone and facilitates labor, it also softens the cervix (cervical ripening), and relaxes the uterine musculature. However, its significance may reach much further. Relaxin affects</p>

Product Details

collagen metabolism, inhibiting collagen synthesis and enhancing its breakdown by increasing matrix metalloproteinases. It also enhances angiogenesis and is a potent renal vasodilator.

Gene Name: RLN1

Production: Natural and recombinant human Relaxin 1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: R162-Cys185(A)&K26-S53(B)

Target Details

Target:	Relaxin 1 (RLN1)
Alternative Name:	Relaxin 1 (RLN1 Products)
Gene ID:	6013
NCBI Accession:	NP_008842
UniProt:	P04808

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL, 78pg/mL human Relaxin 1 standard solutions into the pre-coated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin) to each empty well. We recommend that each human Relaxin 1 standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 78pg/mL-5000pg/mL

Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at

Handling

room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.