

[Go to Product page](#)

## Datasheet for ABIN6719784 **Relaxin 1 ELISA Kit**

### Overview

Quantity:	1 kit
Target:	Relaxin 1 (RLN1)
Reactivity:	Mouse
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 mouse 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 mouse Relaxin 1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: R23-R54(B)&E161-C185(A)

## Target Details

---

Target:	Relaxin 1 (RLN1)
Alternative Name:	Relaxin 1 ( <a href="#">RLN1 Products</a> )
Gene ID:	19773
NCBI Accession:	<a href="#">NP_035402</a>
UniProt:	<a href="#">P47932</a>

## 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 mouse 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 mouse cell culture supernates, serum or plasma(heparin) to each empty well. We recommend that each mouse 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.