

## Datasheet for ABIN6719726 Relaxin 3 ELISA Kit



[Go to Product page](#)

### Overview

Quantity:	1 kit
Target:	Relaxin 3 (RLN3)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 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: H3, INSL 7, INSL7, Insulin like 7, Insulin like peptide 7, Insulin like peptide INSL7, Insulin like7, Insulinlike 7, Prorelaxin H3, Prorelaxin M3, REL 3, REL3, Relaxin 3, Relaxin 3 (H3), Relaxin 3 A chain, Relaxin 3 B chain, Relaxin 3 precursor, Relaxin3, RLN 3, RLN3, RXN 3, RXN3, ZINS 4, ZINS4</p> <p>Background: Relaxin-3 is a neuropeptide which is highly conserved in species ranging from flies, fish, rodents and humans. It is a member and ancestral gene of the relaxin family of peptides, which includes the namesake hormone relaxin (designated 'H2 relaxin' in humans) which mediates peripheral actions during pregnancy and which was found to relax the pelvic ligament</p>

## Product Details

---

in guinea pigs almost a century ago. The broad distribution of relaxin-3 fibres/RXFP3 within several key neuronal circuits suggests an ability to modulate a broad range of behaviours. This has been confirmed in a growing number of rodent studies, which demonstrate relaxin-3 is able to modulate arousal, the response to stress, feeding/metabolism and memory, and likely plays a role in the generation/regulation of hippocampal theta rhythm.

Gene Name: RLN3

Production: Natural and recombinant human Relaxin 3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: D119-C142(A)&A27-R53(B)

## Target Details

---

Target: Relaxin 3 (RLN3)

Alternative Name: Relaxin 3 ([RLN3 Products](#))

Gene ID: 117579

NCBI Accession: [NP\\_001298126](#)

UniProt: [Q8WXF3](#)

Pathways: [Hormone Activity, cAMP Metabolic Process](#)

## Application Details

---

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human Relaxin 3 standard solutions into the precoated 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. It is recommended that each human Relaxin 3 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/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 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.