

## Human Relaxin 2 AccuSignal ELISA Kit - KOA0863

**Code:** KOA0863

**Size:** 1 Kit

**Product Description:** Human Relaxin 2 AccuSignal ELISA Kit - KOA0863

**PhysicalState:**

<b>Label</b>	Unconjugated
<b>Gene Name</b>	Relaxin 2
<b>Species Reactivity</b>	Human
<b>Storage Condition</b>	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.
<b>Synonyms</b>	H2, Relaxin H2, RelaxinH2, Relaxin-H2, Relaxin 2, Relaxin2, Relaxin-2, RLN 2, RLN2, RLN-2, Relaxin A chain, RLXH2
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml, 7.8pg/ml human Relaxin 2 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human Relaxin 2 standard solution and each sample is measured in duplicate.
<b>Background</b>	Relaxins are known endocrine and autocrine/paracrine hormones, belonging to the insulin gene superfamily. In humans there are three non-allelic relaxin genes, RLN1, RLN2 and RLN3, where RLN1 and RLN2 share high sequence homology. The active form of the protein encoded by this gene consists of an A chain and a B chain linked by disulfide bonds. Relaxin is produced by the ovary, and targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may have additional roles in enhancing sperm motility, regulating blood pressure, controlling heart rate and releasing oxytocin and vasopressin. Relaxin 2(RLN2) is a polypeptide hormone structurally related to insulin and insulin-like growth factors (IGFs). However it does not interact with insulin receptors and has decidedly different biological properties. Relaxin 2 activates LGR 7 and LGR 8 relaxin receptors, that belong to the leucine-rich repeat-containing (LRR), G protein-coupled receptors.
<b>Purity And Specificity</b>	Natural and recombinant human Relaxin 2. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	7.8pg/ml-500pg/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: E.coli; Immunogen sequence: Q162-C185(A)&D25-S53(B)
<b>Anti-Coagulant</b>	Heparin Sodium

**Related Products**

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

**Related Links**

UniProtKB - P04090

<http://www.uniprot.org/uniprot/P04090>

 NCBI - [http://www.ncbi.nlm.nih.gov/protein/NP\\_005050.2](http://www.ncbi.nlm.nih.gov/protein/NP_005050.2)

GeneID - 6019

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=6019>

KOA0863 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0863.pdf>

## **Disclaimer**

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