

Human Relaxin 2 (RLN2) ELISA Kit | RLN2 elisa kit

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CATALOG #
AAA330991

REACTIVITY
Human

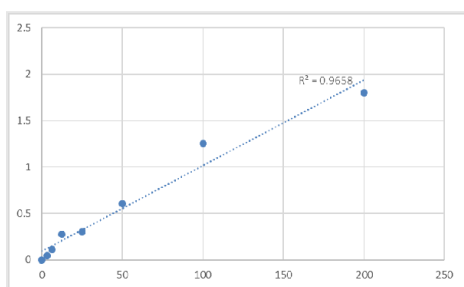
PRODUCT SYNONYMS

Relaxin 2 (RLN2); Human Relaxin 2 (RLN2) ELISA Kit; RLN2; H2; RLXH2; bA12D24.1.1; bA12D24.1.2; prorelaxin H2; relaxin H2; relaxin; ovarian; of pregnancy; RLN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Relaxin 2 (RLN2) ELISA Kit has high sensitivity and excellent specificity for detection of Human RLN2. No significant cross-reactivity or interference between Human RLN2 and analogues was observed.
Sequence Length	117
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Relaxin 2 (RLN2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RLN2 elisa kit	Description: This Human Relaxin 2 (RLN2) ELISA Kit employs a two-site sandwich ELISA to quantitate RLN2 in samples. An antibody specific for RLN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RLN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RLN2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RLN2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Relaxins are known endocrine and autocrine/paracrine hormones, belonging to the insulin gene superfamily. In the human there are three non-allelic relaxin genes, RLN1, RLN2 and RLN3.RLN2 consists of an A chain and a B chain but their cleavage sites are not definitely described yet. 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. There are two alternatively spliced transcript variants encoding different isoforms described for this gene. Serelaxin, recombinant human relaxin-2, is a vasoactive peptide hormone with many biological and haemodynamic effects.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20143935
NCBI GeneID	6019
NCBI Accession #	NP_005050.2
NCBI GenBank Nucleotide #	NP_005050.2
UniProt Accession #	P04090
NCBI Official Full Name	prorelaxin H2 isoform 2
NCBI Official Synonym Full Names	relaxin 2
NCBI Official Symbol	RLN2
NCBI Official Synonym Symbols	H2; RLXH2; H2-RLX; bA12D24.1.1; bA12D24.1.2
NCBI Protein Information	prorelaxin H2
UniProt Protein Name	Prorelaxin H2
UniProt Gene Name	RLN2
UniProt Entry Name	REL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.