

Human Relaxin-3 (RLN3) ELISA Kit | RLN3 elisa kit

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CATALOG #
AAA330990

REACTIVITY
Human

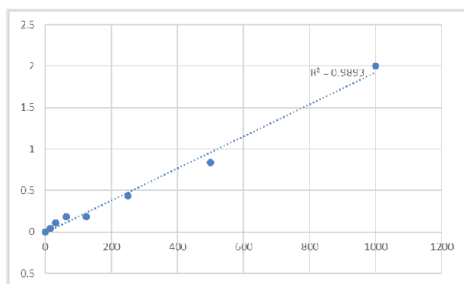
PRODUCT SYNONYMS

Relaxin-3 (RLN3); Human Relaxin-3 (RLN3) ELISA Kit; RLN3; H3; RXN3; ZINS4; insI7; insulin-like 7; RLN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Relaxin-3 (RLN3) ELISA Kit has high sensitivity and excellent specificity for detection of Human RLN3. No significant cross-reactivity or interference between Human RLN3 and analogues was observed.
Sequence Length	109
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-3 (RLN3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RLN3 elisa kit	Description: This Human Relaxin-3 (RLN3) ELISA Kit employs a two-site sandwich ELISA to quantitate RLN3 in samples. An antibody specific for RLN3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RLN3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RLN3 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 RLN3 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. RLN1 and RLN2 share high sequence homology. 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 3 is a member of the relaxin family. The active form of the encoded protein consists of an A chain and a B chain but their cleavage sites are not definitely described yet. It may play a role in neuropeptide signaling processes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	909618058
NCBI GeneID	117579
NCBI Accession #	NP_001298126.1
NCBI GenBank Nucleotide #	NP_001298126.1
UniProt Accession #	Q8WXF3
NCBI Official Full Name	relaxin-3
NCBI Official Synonym Full Names	relaxin 3
NCBI Official Symbol	RLN3
NCBI Official Synonym Symbols	H3; RXN3; ZINS4; insl7
NCBI Protein Information	relaxin-3
UniProt Protein Name	Relaxin-3
UniProt Gene Name	RLN3
UniProt Synonym Gene Names	INSL7; RXN3; ZINS4; Insulin-like peptide 7
UniProt Entry Name	REL3_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.