

Rat Relaxin 3 (RLN3) ELISA Kit | RLN3 elisa kit

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CATALOG #
AAA140811

REACTIVITY
Rat

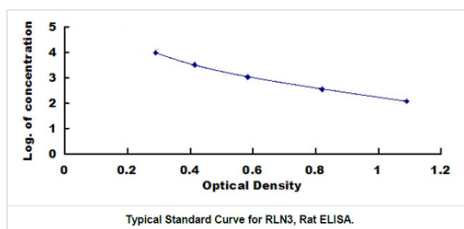
PRODUCT SYNONYMS

Relaxin 3 (RLN3); Rat Relaxin 3 (RLN3) ELISA Kit; ZINS4; RXN3; H3; INSL7; Insulin-like peptide 7; Prorelaxin H3; RLN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Relaxin 3 (RLN3). No significant cross-reactivity or interference between Relaxin 3 (RLN3) and analogues was observed.
Sequence Length	142
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	123.46-10000pg/mL
Sensitivity	43.6pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Relaxin 3 (RLN3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Relaxin 3 (RLN3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RLN3 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Relaxin 3 (RLN3) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Relaxin 3 (RLN3) and unlabeled Relaxin 3 (RLN3) (Standards or samples) with the pre-coated antibody specific to Relaxin 3 (RLN3). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Relaxin 3 (RLN3) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Relaxin 3 (RLN3) in the sample.
Product Categories/Family for RLN3 elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	18254464
NCBI GeneID	117579
NCBI Accession #	NP_543140.1
NCBI GenBank Nucleotide #	NM_080864.3
Molecular Weight	15,451 Da
NCBI Official Full Name	relaxin-3 preproprotein
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/relaxin-3-rln3/140811>