# Human Relaxin-3 (RLN3) ELISA Kit

Catalog No: #EK7514

Package Size: #EK7514-1 48T #EK7514-2 96T

Orders: order@signalwayantibody.com
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## Description

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|---|---|
| Product Name | Human Relaxin-3 (RLN3) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | H3; RXN3; ZINS4; insl7; insulin-like 7 |
| Accession No. | Q8WXF3 |
| Uniprot | Q8WXF3 |
| GeneID | 117579; |
| Storage | The stability of ELISA 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.<br>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C). |

## Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:3.9 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay 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 anyRLN3 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.Product Overview: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.

Note: This product is for in vitro research use only