

## Human Relaxin 1 ELISA Kit | RLN1 elisa kit

Human Relaxin 1 ELISA Kit

CATALOG #  
**AAA263076**

REACTIVITY  
**Human**

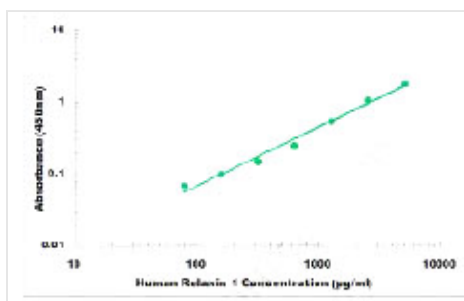
### PRODUCT SYNONYMS

Relaxin 1; Human Relaxin 1 ELISA Kit; Prorelaxin H1; RLN1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                            |
| Specificity             | The Human Relaxin 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Relaxin 1 proteins within the range of 78 pg/ml - 5000 pg/ml. |
| Sequence Length         | 185                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernates, Serum, Plasma                                                                                                                                                           |
| Sensitivity             | <10 pg/ml                                                                                                                                                                                        |
| Preparation and Storage | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                      |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for RLN1 elisa kit

**Principle of the Assay:** The Human Relaxin 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Relaxin 1 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human Relaxin 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Relaxin 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Relaxin 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Relaxin 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

**Background:** Relaxin 1 is a member of relaxin-like peptide family. Relaxin gene maps to human chromosome 19 near D19Mit23. Relaxin is a peptide hormone produced by the corpora lutea of ovaries during pregnancy in many mammalian species, including man. Relaxin widens the pubic bone and facilitates labor, it also softens the cervix (cervical ripening), and relaxes the uterine musculature. However, its significance may reach much further. Relaxin affects collagen metabolism, inhibiting collagen synthesis and enhancing its breakdown by increasing matrix metalloproteinases. It also enhances angiogenesis and is a potent renal vasodilator.

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 5902052                                    |
| NCBI GeneID                      | 6013                                       |
| NCBI Accession #                 | NP_008842.1                                |
| NCBI GenBank Nucleotide #        | NM_006911.3                                |
| UniProt Accession #              | P04808; Q99936; Q9UQJ1                     |
| Molecular Weight                 | 13,011 Da                                  |
| NCBI Official Full Name          | prorelaxin H1 preproprotein                |
| NCBI Official Synonym Full Names | relaxin 1                                  |
| NCBI Official Symbol             | RLN1                                       |
| NCBI Official Synonym Symbols    | H1; H1RLX; RLXH1; bA12D24.3.1; bA12D24.3.2 |
| NCBI Protein Information         | prorelaxin H1                              |
| UniProt Protein Name             | Prorelaxin H1                              |
| UniProt Gene Name                | RLN1                                       |
| UniProt Entry Name               | REL1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/rln1-human-elisa-kits/relaxin-1/263076>