

Human Relaxin 3 ELISA Kit | RLN3 elisa kit

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CATALOG #
AAA263078

REACTIVITY
Human

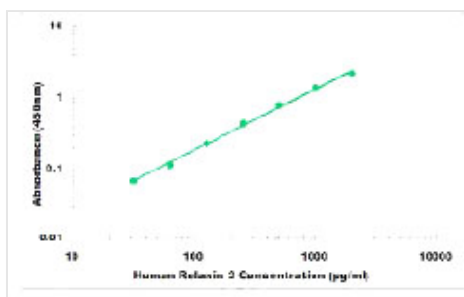
PRODUCT SYNONYMS

Relaxin 3; Human Relaxin 3 ELISA Kit; INSL7; RXN3; ZINS4; Relaxin-3; Insulin-like peptide INSL7; Insulin-like peptide 7; Pror relaxin H3; RLN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Relaxin 3 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Relaxin 3 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	109
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 RLN3 elisa kit	Principle of the Assay: The Human Relaxin 3 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Relaxin 3 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human Relaxin 3 coated on a 96-well plate. Standards and samples are pipetted into the wells and Relaxin 3 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Relaxin 3 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 3 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Relaxin-3 is a neuropeptide which is highly conserved in species ranging from flies, fish, rodents and humans. It is a member and ancestral gene of the relaxin family of peptides, which includes the namesake hormone relaxin (designated 'H2 relaxin' in humans) which mediates peripheral actions during pregnancy and which was found to relax the pelvic ligament in guinea pigs almost a century ago. The broad distribution of relaxin-3 fibres/RXFP3 within several key neuronal circuits suggests an ability to modulate a broad range of behaviours. This has been confirmed in a growing number of rodent studies, which demonstrate relaxin-3 is able to modulate arousal, the response to stress, feeding/metabolism and memory; and likely plays a role in the generation/regulation of hippocampal theta rhythm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	909618058
NCBI GeneID	117579
NCBI Accession #	NP_001298126.1
NCBI GenBank Nucleotide #	NM_001311197.1
UniProt Accession #	Q8WXF3; Q6UXW5
Molecular Weight	15,451 Da
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.