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Datasheet for KOA0850

Human Relaxin 3 ELISA Kit

Overview

Description:	Human Relaxin 3 AccuSignal ELISA Kit - KOA0850
Item No.:	KOA0850
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

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.
Synonyms:	H3, INSL 7, INSL7, Insulin like 7, Insulin like peptide 7, Insulin like peptide INSL7, Insulin like7, Insulinlike 7, Prorelaxin H3, Prorelaxin M3, REL 3, REL3, Relaxin 3, Relaxin 3 (H3), Relaxin 3 A chain, Relaxin 3 B chain, Relaxin 3 precursor, Relaxin3, RLN 3, RLN3, RXN 3, RXN3, ZINS 4, ZINS4
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	RLN3
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: D119-C142(A)&A27-R53(B)

Purity/Specificity:	Natural and recombinant human Relaxin 3. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q8WXF3 • NCBI - NP_001298126.1 • GeneID - 117579 • KOA0850 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human Relaxin 3 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin) to each empty well. It is recommended that each human Relaxin 3 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

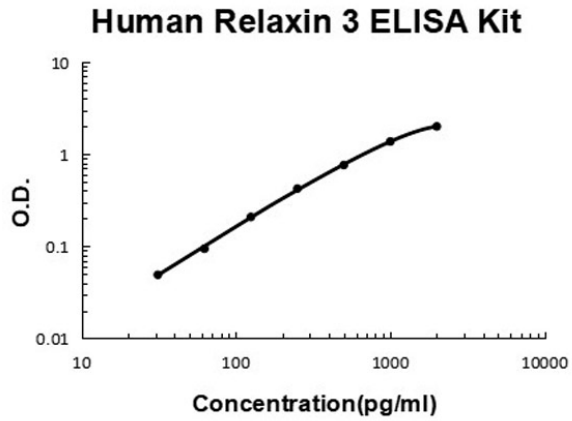
Formulation

Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human Relaxin 3 ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.