

ARG81574 Human Relaxin 3 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81574-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81574-002	Standard	2 X 10 ng/vial	4°C
ARG81574-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81574-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81574-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81574-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81574-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81574-008	25X Wash buffer	20 ml	4°C
ARG81574-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81574-010	STOP solution	10 ml (Ready to use)	4°C
ARG81574-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81574 Human Relaxin 3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Relaxin 3 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Relaxin 3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.7% Inter-Assay CV: 8.1%
Alternate Names	Prorelaxin H3; Insulin-like peptide 7; H3; insl7; Relaxin-3; ZINS4; Insulin-like peptide INSL7; RXN3

Application Instructions

Assay Time ~ 5 hours

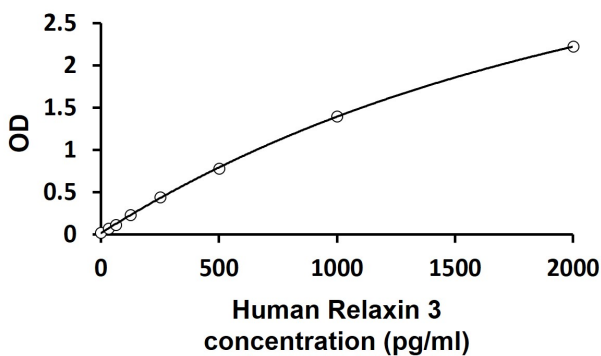
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	RLN3
Gene Full Name	relaxin 3
Background	This gene encodes a member of the relaxin family of insulin-like hormones that is expressed predominantly in the brain and plays a role in physiological processes such as stress, memory and appetite regulation. The encoded protein is a precursor that is proteolytically processed to generate a heterodimeric mature form consisting A and B chains interlinked by disulfide bonds. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2015]
Function	May play a role in neuropeptide signaling processes. Ligand for LGR7, relaxin-3 receptor-1 (GPCR135) and relaxin-3 receptor-2 (GPCR142). [UniProt]
Highlight	Related products: Relaxin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81574 Human Relaxin 3 ELISA Kit standard curve image

ARG81574 Human Relaxin 3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.