

Human Relaxin-3 Receptor 1 (RXFP3) ELISA Kit | RXFP3 elisa kit

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CATALOG #
AAA330976

REACTIVITY
Human

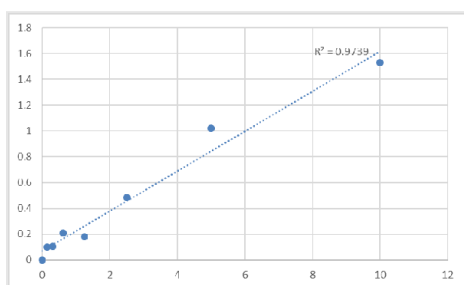
PRODUCT SYNONYMS

Relaxin-3 Receptor 1 (RXFP3); Human Relaxin-3 Receptor 1 (RXFP3) ELISA Kit; RXFP3; GPCR135; MGC141998; MGC142000; RLN3R1; RXFPR3; SALPR; G-protein coupled receptor SALPR; relaxin 3 receptor 1; relaxin family peptide receptor 3; somatostatin and angiotensin-like peptide receptor; RXFP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Relaxin-3 receptor 1 (RXFP3) ELISA Kit has high sensitivity and excellent specificity for detection of Human RXFP3. No significant cross-reactivity or interference between Human RXFP3 and analogues was observed.
Sequence Length	469
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Relaxin-3 receptor 1 (RXFP3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RXFP3 elisa kit	Description: This Human Relaxin-3 receptor 1 (RXFP3) ELISA Kit employs a two-site sandwich ELISA to quantitate RXFP3 in samples. An antibody specific for RXFP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RXFP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RXFP3 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 RXFP3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The deduced 469-amino acid protein has the characteristic 7-transmembrane domain structure of a G protein-coupled receptor, as well as 2 putative N-glycosylation sites in its N-terminal domain. SALPR shares highest sequence similarity with somatostatin receptors and angiotensin receptors. SALPR expression was not detected by Northern blot analysis. RT-PCR detected SALPR expression predominantly in brain, with highest expression in substantia nigra and pituitary, followed by hippocampus, spinal cord, amygdala, caudate nucleus, and corpus callosum; expression was very low in cerebellum. In peripheral tissues, relatively high expression was detected in adrenal gland, and low expression was detected in pancreas, salivary gland, placenta, mammary gland, and testis. Little to no expression was detected in other tissues examined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7706103
NCBI GeneID	51289
NCBI Accession #	NP_057652.1
NCBI GenBank Nucleotide #	NP_057652.1
UniProt Accession #	Q9NSD7
NCBI Official Full Name	relaxin-3 receptor 1
NCBI Official Synonym Full Names	relaxin family peptide receptor 3
NCBI Official Symbol	RXFP3
NCBI Official Synonym Symbols	SALPR; RLN3R1; RXFPR3; GPCR135
NCBI Protein Information	relaxin-3 receptor 1
UniProt Protein Name	Relaxin-3 receptor 1
UniProt Gene Name	RXFP3
UniProt Synonym Gene Names	RLN3R1; SALPR; RLN3 receptor 1
UniProt Entry Name	RL3R1_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.