

Human Prokineticin Receptor 1 (PROKR1) ELISA Kit | PROKR1 elisa kit

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CATALOG #
AAA331308

REACTIVITY
Human

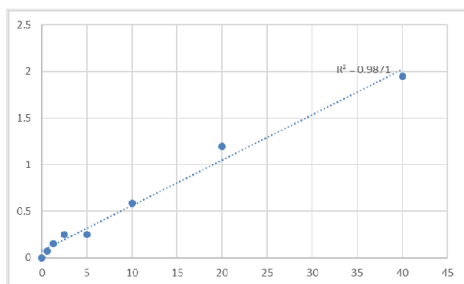
PRODUCT SYNONYMS

Prokineticin Receptor 1 (PROKR1); Human Prokineticin Receptor 1 (PROKR1) ELISA Kit; PROKR1; GPR73; GPR73a; PKR1; ZAQ; G protein-coupled receptor 73; G protein-coupled receptor ZAQ; OTTHUMP00000159967; PROKR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prokineticin receptor 1 (PROKR1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PROKR1. No significant cross-reactivity or interference between Human PROKR1 and analogues was observed.
Sequence Length	393
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 Prokineticin receptor 1 (PROKR1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PROKR1 elisa kit	Description: This Human Prokineticin receptor 1 (PROKR1) ELISA Kit employs a two-site sandwich ELISA to quantitate PROKR1 in samples. An antibody specific for PROKR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PROKR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PROKR1 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 PROKR1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The prokineticin receptor is a G-protein coupled receptor which binds the peptide hormone prokineticin. These receptors mediate gastrointestinal smooth muscle contraction and angiogenesis. There are two variants each encoded by a different gene. Prokineticin receptor 1 (also known as PKR1, or GPR73A), is encoded by the PROKR1 gene. GPR73A is a receptor for prokineticin 1. It is a member of the GPCR family and is coupled to the G(q) subclass of heteromeric G proteins. Activation of the receptor leads to mobilization of calcium, stimulation of phosphoinositide turnover and activation of p44/p42 mitogen-activated protein kinase. GPR73A expression has been reported in adrenal, peripheral blood leukocytes, brain, colon, pancreas, prostate, rectum, salivary gland, small intestine, spleen, stomach, testis, and thyroid.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20373179
NCBI GeneID	10887
NCBI Accession #	NP_620414.1
NCBI GenBank Nucleotide #	NP_620414.1
UniProt Accession #	Q8TCW9
NCBI Official Full Name	prokineticin receptor 1
NCBI Official Synonym Full Names	prokineticin receptor 1
NCBI Official Symbol	PROKR1
NCBI Official Synonym Symbols	ZAQ; PKR1; GPR73; PK-R1; GPR73a
NCBI Protein Information	prokineticin receptor 1
UniProt Protein Name	Prokineticin receptor 1
UniProt Gene Name	PROKR1
UniProt Synonym Gene Names	GPR73; PKR1; PK-R1
UniProt Entry Name	PKR1_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.