

Human Proprotein Convertase Subtilisin/Kexin Type 5 (PCSK5) ELISA Kit | PCSK5 elisa kit

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CATALOG #
AAA331452

REACTIVITY
Human

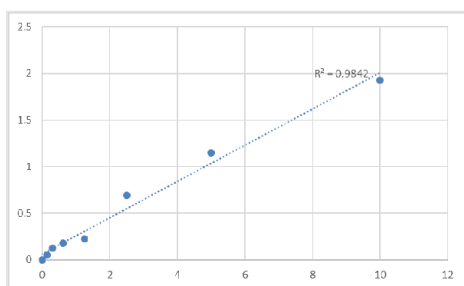
PRODUCT SYNONYMS

Proprotein Convertase Subtilisin/Kexin Type 5 (PCSK5); Human Proprotein Convertase Subtilisin/Kexin Type 5 (PCSK5) ELISA Kit; PCSK5; RP11-422N19.4; PC5; PC6; PC6A; SPC6; prohormone convertase 5; proprotein convertase PC5; protease PC6; subtilisin/kexin-like protease PC5; PCSK5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Proprotein convertase subtilisin/kexin type 5 (PCSK5) ELISA Kit has high sensitivity and excellent specificity for detection of Human PCSK5. No significant cross-reactivity or interference between Human PCSK5 and analogues was observed.
Sequence Length	1860
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 Proprotein convertase subtilisin/kexin type 5 (PCSK5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PCSK5 elisa kit	Description: This Human Proprotein convertase subtilisin/kexin type 5 (PCSK5) ELISA Kit employs a two-site sandwich ELISA to quantitate PCSK5 in samples. An antibody specific for PCSK5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCSK5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCSK5 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 PCSK5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Proprotein convertase subtilisin/kexin type 5 is an enzyme belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein mediates posttranslational endoproteolytic processing for several integrin alpha subunits. It is thought to process prorenin, pro-membrane type-1 matrix metalloproteinase and HIV-1 glycoprotein gp160. Two alternatively spliced transcripts are described for this gene but only one has its full length nature known. Expressed in T-lymphocytes. Likely to represent a widespread endoprotease activity within the constitutive and regulated secretory pathway. Capable of cleavage at the RX(K/R)R consensus motif.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	299523015
NCBI GeneID	5125
NCBI Accession #	NP_001177411.1
NCBI GenBank Nucleotide #	NP_001177411.1
UniProt Accession #	Q92824
NCBI Official Full Name	proprotein convertase subtilisin/kexin type 5 isoform PC6B preproprotein
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 5
NCBI Official Symbol	PCSK5
NCBI Official Synonym Symbols	PC5; PC6; PC6A; SPC6
NCBI Protein Information	proprotein convertase subtilisin/kexin type 5
UniProt Protein Name	Proprotein convertase subtilisin/kexin type 5
UniProt Gene Name	PCSK5
UniProt Synonym Gene Names	PC5; PC6; PC5; PC6; hPC6

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.