

Human Wolframin (WFS1) ELISA Kit | WFS1 elisa kit

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CATALOG #
AAA330261

REACTIVITY
Human

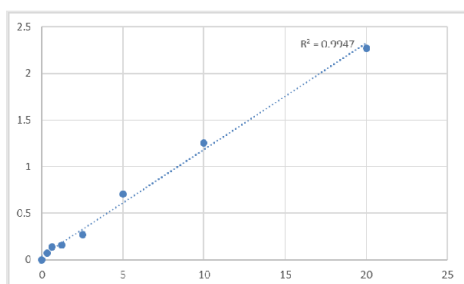
PRODUCT SYNONYMS

Wolframin (WFS1); Human Wolframin (WFS1) ELISA Kit; WFS1; FLJ51211; WFRS; WFS; WOLFRAMIN; wolframin; WFS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Wolframin (WFS1) ELISA Kit has high sensitivity and excellent specificity for detection of Human WFS1. No significant cross-reactivity or interference between Human WFS1 and analogues was observed.
Sequence Length	890
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 Wolframin (WFS1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WFS1 elisa kit	Description: This Human Wolframin (WFS1) ELISA Kit employs a two-site sandwich ELISA to quantitate WFS1 in samples. An antibody specific for WFS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WFS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WFS1 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 WFS1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Wolframin is a transmembrane protein.Wolframin appears to function as a cation-selective ion channel.Mutations in this gene are associated with an autosomal recessive syndrome characterized by insulin-dependent diabetes mellitus and bilateral progressive optic atrophy, usually presenting in childhood or early adult life. Diverse neurologic symptoms, including a predisposition to psychiatric illness, may also be associated with this disorder. A large number and variety of mutations in this gene, particularly in exon 8, can be associated with this syndrome. Mutations in this gene can also cause autosomal dominant deafness 6 (DFNA6).Highly expressed in heart followed by brain, placenta, lung and pancreas. Weakly expressed in liver, kidney and skeletal muscle. Also expressed in islet and beta-cell insulinoma cell line.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119602804
NCBI GeneID	7466
UniProt Accession #	O76024
NCBI Official Full Name	Wolfram syndrome 1 (wolframin), isoform CRA_a
NCBI Official Synonym Full Names	wolframin ER transmembrane glycoprotein
NCBI Official Symbol	WFS1
NCBI Official Synonym Symbols	WFS; WFRS; WFSL; CTRCT41
NCBI Protein Information	wolframin
UniProt Protein Name	Wolframin
UniProt Gene Name	WFS1
UniProt Entry Name	WFS1_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.