

Human NAD-Dependent Deacetylase Sirtuin-5 (SIRT5/SIR2L5) ELISA Kit | SIRT5 elisa kit

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CATALOG #
AAA330860

REACTIVITY
Human

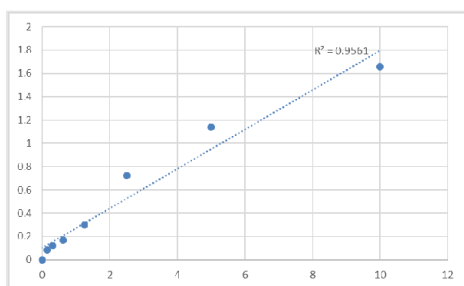
PRODUCT SYNONYMS

NAD-Dependent Deacetylase Sirtuin-5 (SIRT5/SIR2L5); Human NAD-Dependent Deacetylase Sirtuin-5 (SIRT5/SIR2L5) ELISA Kit; FLJ36950; SIR2L5; silent mating type information regulation 2; S.cerevisiae; homolog 5; sir2-like 5; sirtuin 5; sirtuin type 5; SIRT5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human NAD-dependent deacetylase sirtuin-5 (SIRT5/SIR2L5) ELISA Kit has high sensitivity and excellent specificity for detection of Human SIRT5. No significant cross-reactivity or interference between Human SIRT5 and analogues was observed.
Sequence Length	292
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 NAD-dependent deacetylase sirtuin-5 (SIRT5/SIR2L5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SIRT5 elisa kit	Description: This Human NAD-dependent deacetylase sirtuin-5 (SIRT5/SIR2L5) ELISA Kit employs a two-site sandwich ELISA to quantitate SIRT5 in samples. An antibody specific for SIRT5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SIRT5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SIRT5 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 SIRT5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SIRT5 encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class III of the sirtuin family. Alternative splicing of this gene results in two transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	300795542
NCBI GeneID	23408
NCBI Accession #	NP_001180196.1
NCBI GenBank Nucleotide #	NP_001180196.1
UniProt Accession #	Q9NXA8
NCBI Official Full Name	NAD-dependent protein deacylase sirtuin-5, mitochondrial isoform 3
NCBI Official Synonym Full Names	sirtuin 5
NCBI Official Symbol	SIRT5
NCBI Official Synonym Symbols	SIR2L5
NCBI Protein Information	NAD-dependent protein deacylase sirtuin-5, mitochondrial
UniProt Protein Name	NAD-dependent protein deacylase sirtuin-5, mitochondrial
UniProt Gene Name	SIRT5
UniProt Synonym Gene Names	SIR2L5
UniProt Entry Name	SIR5_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.