

Human Disrupted In Schizophrenia 1 Protein (DISC1) ELISA Kit | DISC1 elisa kit

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CATALOG #
AAA331953

REACTIVITY
Human

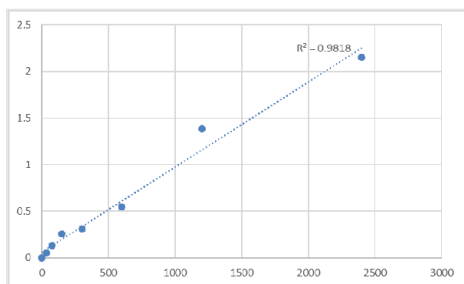
PRODUCT SYNONYMS

Disrupted In Schizophrenia 1 Protein (DISC1); Human Disrupted In Schizophrenia 1 Protein (DISC1) ELISA Kit; DISC1; RP4-730B13.1; C1orf136; FLJ13381; FLJ21640; FLJ25311; FLJ41105; KIAA0457; SCZD9; DISC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Disrupted in schizophrenia 1 protein (DISC1) ELISA Kit has high sensitivity and excellent specificity for detection of Human DISC1. No significant cross-reactivity or interference between Human DISC1 and analogues was observed.
Sequence Length	854
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 Disrupted in schizophrenia 1 protein (DISC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for DISC1 elisa kit	Description: This Human Disrupted in schizophrenia 1 protein (DISC1) ELISA Kit employs a two-site sandwich ELISA to quantitate DISC1 in samples. An antibody specific for DISC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DISC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DISC1 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 DISC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Disrupted-in-Schizophrenia 1 or DISC1 is a protein with a wide array of functions. It participates in cell growth, movement, axonal growth and transport, neural positioning. Disruptions in DISC1 structure may play an important role at least in some cases of schizophrenia, however the evidence from genetic linkage and association studies suggests that variants of DISC1 do not play a significant role in most cases of schizophrenia, although DISC1 may be more important in bipolar disorder. In humans, this protein is encoded by the DISC1 gene. This gene encodes a protein with multiple coiled coil motifs which is located in the nucleus, cytoplasm and mitochondria. The protein is involved in neurite outgrowth and cortical development through its interaction with other proteins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	160332362
NCBI GeneID	27185
UniProt Accession #	Q9NR15
NCBI Official Full Name	Disrupted in schizophrenia 1 protein
NCBI Official Synonym Full Names	DISC1 scaffold protein
NCBI Official Symbol	DISC1
NCBI Official Synonym Symbols	SCZD9; C1orf136
NCBI Protein Information	disrupted in schizophrenia 1 protein
UniProt Protein Name	Disrupted in schizophrenia 1 protein
UniProt Gene Name	DISC1
UniProt Synonym Gene Names	KIAA0457
UniProt Entry Name	DISC1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/disrupted-in-schizophrenia-1-protein-disc1/331953>