

Human Nesprin-1 (SYNE1) ELISA Kit | SYNE1 elisa kit

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CATALOG #
AAA330629

REACTIVITY
Human

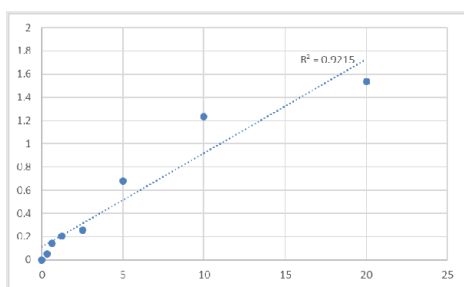
PRODUCT SYNONYMS

Nesprin-1 (SYNE1); Human Nesprin-1 (SYNE1) ELISA Kit; RP1-130E4.2; 8B; C6orf98; CPG2; DKFZp781J13156; EDMD4; FLJ30878; FLJ41140; KIAA0796; KIAA1262; KIAA1756; MYNE1; SCAR8; dJ45H2.2; OTTHUMP00000017438; enaptin; myocyte nuclear envelope protein 1; nesprin; SYNE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Nesprin-1 (SYNE1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYNE1. No significant cross-reactivity or interference between Human SYNE1 and analogues was observed.
Sequence Length	8797
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 Nesprin-1 (SYNE1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYNE1 elisa kit	Description: This Human Nesprin-1 (SYNE1) ELISA Kit employs a two-site sandwich ELISA to quantitate SYNE1 in samples. An antibody specific for SYNE1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYNE1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNE1 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 SYNE1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Enaptin is a nuclear envelope protein found in human myocytes and synapses, which is made up of 8,797 amino acids. Post-translational amino acid modifications can be possible. Enaptin is involved in the maintenance of nuclear organization and structural integrity, tethering the cell nucleus to the cytoskeleton by interacting with the nuclear envelope and with F-actin in the cytoplasm. Enaptin has a remarkable structure with a coiled alpha-helical region and a large beta-sheet region in the upper part and at least four alpha-helices spliced together, indicating the similarity with collagen. The structural integrity of Enaptin can be shown by determining whether the protein forms a condensed supramolecule.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	330688408
NCBI GeneID	23345
NCBI Accession #	NP_892006.3
NCBI GenBank Nucleotide #	NP_892006.3
UniProt Accession #	Q8NF91
NCBI Official Full Name	nesprin-1 isoform 1 (nesprin-1 giant or enaptin)
NCBI Official Synonym Full Names	spectrin repeat containing nuclear envelope protein 1
NCBI Official Symbol	SYNE1
NCBI Official Synonym Symbols	8B; CPG2; ARCA1; EDMD4; KASH1; MYNE1; Nesp1; SCAR8; C6orf98; dJ45H2.2
NCBI Protein Information	nesprin-1
UniProt Protein Name	Nesprin-1
UniProt Gene Name	SYNE1
UniProt Synonym Gene Names	C6orf98; KIAA0796; KIAA1262; KIAA1756; MYNE1; Myne-1; Syne-1
UniProt Entry Name	SYNE1_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.