

## Human Nesprin-1 (SYNE1) ELISA Kit

Catalog No: #EK6735



Package Size: #EK6735-1 48T #EK6735-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Human Nesprin-1 (SYNE1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	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
Accession No.	Q8NF91
Uniprot	Q8NF91
GeneID	23345;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity: 0.105 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay 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 anySYNE1 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.**Product Overview:**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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Note: This product is for in vitro research use only