

Human Endoplasmic Reticulum To Nucleus Signalling 1 ELISA Kit | ERN1 elisa kit

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CATALOG #
AAA87060

REACTIVITY
Human

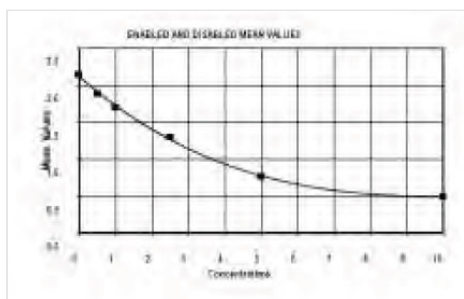
PRODUCT SYNONYMS

Endoplasmic Reticulum To Nucleus Signalling 1; Human Endoplasmic Reticulum To Nucleus Signalling 1 ELISA Kit; ERN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERN1 elisa kit	For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasm Intended Uses: This ERN1 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of ERN1 in the sample, this ERN1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus ERN1 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of ERN1 utilizes a multiclonal anti-ERN1 antibody and an ERN1-HRP conjugate. The assay sample and buffer are incubated together with ERN1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ERN1 concentration since ERN1 from samples and ERN1-HRP conjugate compete for the anti-ERN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ERN1 from the sample, fewer sites are left to bind ERN1-HRP conjugate. Standards of known ERN1 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of ERN1. The ERN1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ERN1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119614620
NCBI GeneID	2081
Molecular Weight	6,649 Da
NCBI Official Full Name	endoplasmic reticulum to nucleus signalling 1, isoform CRA_b
NCBI Official Synonym Full Names	endoplasmic reticulum to nucleus signaling 1
NCBI Official Symbol	ERN1
NCBI Official Synonym Symbols	IRE1; IRE1P; IRE1a; hIRE1p
NCBI Protein Information	serine/threonine-protein kinase/endoribonuclease IRE1; ire1-alpha; inositol-requiring 1; ER to nucleus signalling 1; inositol-requiring enzyme 1; inositol-requiring protein 1; endoplasmic reticulum-to-nucleus signaling 1
UniProt Protein Name	Serine/threonine-protein kinase/endoribonuclease IRE1
UniProt Gene Name	ERN1
UniProt Synonym Gene Names	IRE1; hIRE1p; IRE1a
UniProt Entry Name	ERN1_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.