

Human Urocortin 2 (UCN2) ELISA Kit | UCN2 elisa kit

Human Urocortin 2 (UCN2) High Sensitive ELISA Kit

CATALOG # AAA188581	REACTIVITY Human	APPLICATIONS ELISA
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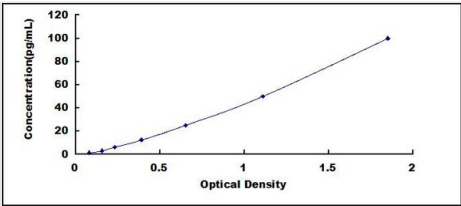
PRODUCT SYNONYMS

Urocortin 2 (UCN2); Human Urocortin 2 (UCN2) High Sensitive ELISA Kit; Urocortin 2; URP; SRP; UCN-II; UCNII; Stresscopin-Related Peptide; Urocortin-related peptide; UCN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Urocortin 2 (UCN2). No significant cross-reactivity or interference between High Sensitive Urocortin 2 (UCN2) and analogues was observed.
Sequence Length	112
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.68pg/mL
Applicable Applications for UCN2 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Urocortin 2 (UCN2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Urocortin 2 (UCN2) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Urocortin 2 (UCN2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Urocortin 2 (UCN2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Sensitive Urocortin 2 (UCN2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of High Sensitive Urocortin 2 (UCN2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	15082240
NCBI GeneID	90226
NCBI Accession #	NP_149976.1
NCBI GenBank Nucleotide #	NP_149976.1
UniProt Accession #	Q96RP3
NCBI Official Full Name	urocortin-2 preproprotein
NCBI Official Synonym Full Names	urocortin 2
NCBI Official Symbol	UCN2
NCBI Official Synonym Symbols	UR; SRP; URP; UCNI; UCN-II
NCBI Protein Information	urocortin-2
UniProt Protein Name	Urocortin-2
UniProt Gene Name	UCN2
UniProt Synonym Gene Names	SRP; URP; Ucn II

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/urocortin-2-ucn2/188581>