



Human Urocortin-3(UCN3) ELISA kit

Product Code	CSB-EL025553HU
Abbreviation	UCN3
Target Name	urocortin 3 (stresscopin)
Uniprot No.	Q969E3
Alias	MGC119002, SCP, SPC, UCNIII, stresscopin urocortin 3 urocortin III
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	6.25 pg/mL-400 pg/mL
Sensitivity	1.56 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	UCN3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human UCN3 ELISA Kit was designed for the quantitative measurement of Human UCN3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 6.25 pg/mL-400 pg/mL and the sensitivity is 1.56 pg/mL.
Target Details	This gene is a member of the sauvagine/corticotropin-releasing factor/urotensin I family. It is structurally related to the corticotropin-releasing factor (CRF) gene and the encoded product is an endogenous ligand for CRF type 2 receptors. In the brain it may be responsible for the effects of stress on appetite. In spite of the gene family name similarity, the product of this gene has no sequence similarity to urotensin II.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human UCN3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	86
	Range %	83-89
1:2	Average %	101
	Range %	98-104
1:4	Average %	105
	Range %	101-109
1:8	Average %	90
	Range %	85-96

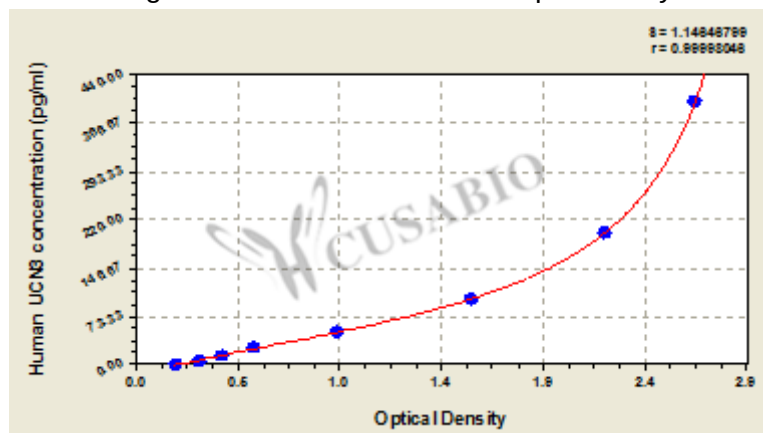
Recovery

The recovery of human UCN3 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	84	81-89
EDTA plasma (n=4)	99	96-102

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
400	2.604	2.638	2.621	2.416
200	2.284	2.114	2.199	1.994
100	1.555	1.598	1.577	1.372
50	0.977	0.935	0.956	0.751
25	0.551	0.587	0.569	0.364
12.5	0.405	0.432	0.419	0.214
6.25	0.304	0.318	0.311	0.106
0	0.204	0.206	0.205	

Msds

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