



Rat guanylate cyclase activator 2B (uroguanylin) (GUCA2B) ELISA kit

Product Code	CSB-EL010048RA
Abbreviation	GUCA2B
Target Name	guanylate cyclase activator 2B (uroguanylin)
Uniprot No.	P70668
Alias	GCAP-II, UGN, guanylate cyclase activator 2B uroguanylin
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	1.95 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	Signal Transduction
Gene Names	Guca2b
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat GUCA2B ELISA Kit was designed for the quantitative measurement of Rat GUCA2B protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.95 pg/mL.
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 rat GUCA2B 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 %	97
	Range %	88-102
1:2	Average %	92
	Range %	85-96
1:4	Average %	90
	Range %	85-94
1:8	Average %	91
	Range %	84-95

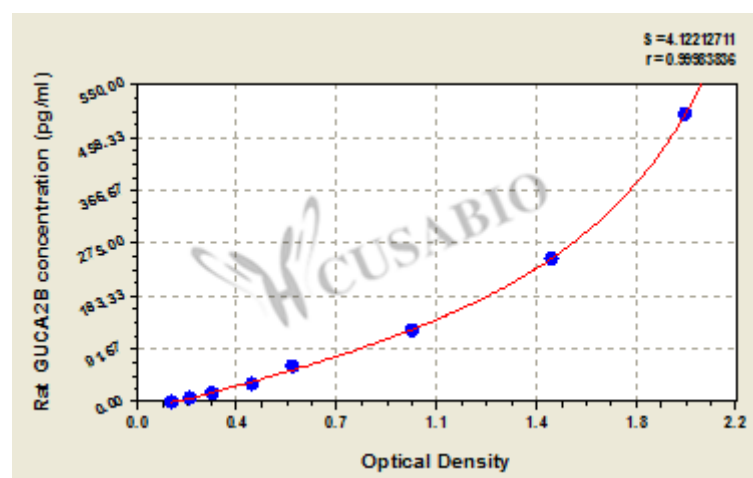
Recovery

The recovery of rat GUCA2B 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)	88	81-92
EDTA plasma (n=4)	104	92-107

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
500	1.997	1.943	1.970	1.831
250	1.508	1.476	1.492	1.353
125	1.002	0.987	0.995	0.856
62.5	0.572	0.565	0.569	0.430
31.25	0.428	0.420	0.424	0.285
15.6	0.289	0.276	0.283	0.144
7.8	0.204	0.198	0.201	0.062
0	0.141	0.137	0.139	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL010048RA.pdf","filename":"MSDS"}}}