



Rat heparan sulfate proteoglycan 2 (HSPG2) ELISA kit

Product Code	CSB-EL010868RA
Abbreviation	HSPG2
Protein Biological Process 1	Angiogenesis
Target Name	heparan sulfate proteoglycan 2
Alias	RP11-132G19.2, PLC, PRCAN, SJA, SJS, SJS1, Schwartz-Jampel syndrome 1 (chondrodystrophic myotonia) endorepellin (domain V region) heparan sulfate proteoglycan of basement membrane perlecan proteogly
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Angiogenesis
Sample Types	serum, plasma, cell culture supernates, bronchoalveolar lavage fluid, urine, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	HSPG2
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rat HSPG2 ELISA Kit was designed for the quantitative measurement of Rat HSPG2 protein in serum, plasma, cell culture supernates, bronchoalveolar lavage fluid, urine, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 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 HSPG2 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)	
1:200	Average %	83
	Range %	80-86
1:400	Average %	97
	Range %	93-101
1:800	Average %	91
	Range %	85-97
1:1600	Average %	100
	Range %	93-107

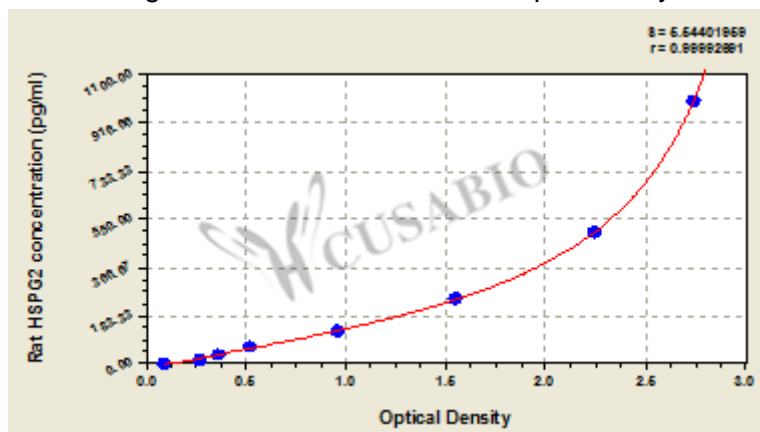
Recovery

The recovery of rat HSPG2 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)	89	84-93
EDTA plasma (n=4)	104	100-108

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
1000	2.766	2.798	2.782	2.680
500	2.277	2.286	2.282	2.180
250	1.593	1.562	1.578	1.476
125	0.996	0.963	0.980	0.878
62.5	0.533	0.542	0.538	0.436
31.2	0.384	0.368	0.376	0.274
15.6	0.271	0.291	0.281	0.179
0	0.101	0.103	0.102	

MsdS

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