



Human Phosphatase and actin regulator 1 (PHACTR1) ELISA kit

Product Code	CSB-EL017880HU
Abbreviation	PHACTR1
Target Name	phosphatase and actin regulator 1
Uniprot No.	Q9C0D0
Alias	RP1-257A7.1, KIAA1733, MGC126575, MGC126577, RPEL, RPEL1, dJ257A7.2, RPEL repeat containing 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	23.5 pg/mL-1500 pg/mL
Sensitivity	5.86 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	PHACTR1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human PHACTR1 ELISA Kit was designed for the quantitative measurement of Human PHACTR1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.86 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 human PHACTR1 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 %	93
	Range %	83-97
1:2	Average %	103
	Range %	95-107
1:4	Average %	90
	Range %	82-94
1:8	Average %	99
	Range %	90-102

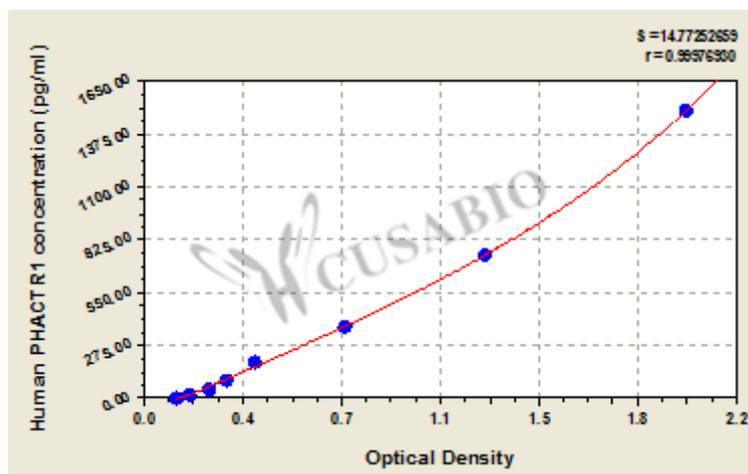
Recovery

The recovery of human PHACTR1 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)	92	85-96
EDTA plasma (n=4)	101	91-105

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
1500	2.051	1.936	1.994	1.866
750	1.277	1.244	1.261	1.133
375	0.755	0.741	0.748	0.620
187.5	0.427	0.405	0.416	0.288
94	0.315	0.307	0.311	0.183
47	0.252	0.243	0.248	0.120
23.5	0.182	0.176	0.179	0.051
0	0.127	0.129	0.128	?

Msds

{\"0\": {\"fileurl\": \"https://www.cusabio.com/uploadfile/msds/MSDS CSB-



EL017880HU.pdf", "filename": "MSDS"}}}