



Human Complement C1q tumor necrosis factor-related protein 1(C1QTNF1/CTRP1) ELISA Kit

Product Code	CSB-E16713h
Abbreviation	C1QTNF1
Target Name	C1q and tumor necrosis factor related protein 1
Uniprot No.	Q9BXJ1
Alias	CTRP1, FLJ90694, GIP, ZSIG37, G protein coupled receptor interacting protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 ng/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	Others
Gene Names	C1QTNF1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human C1QTNF1 ELISA Kit was designed for the quantitative measurement of Human C1QTNF1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/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 CTRP1 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 %	98
	Range %	94-102
1:2	Average %	102
	Range %	97-107
1:4	Average %	91
	Range %	87-95
1:8	Average %	104
	Range %	97-108

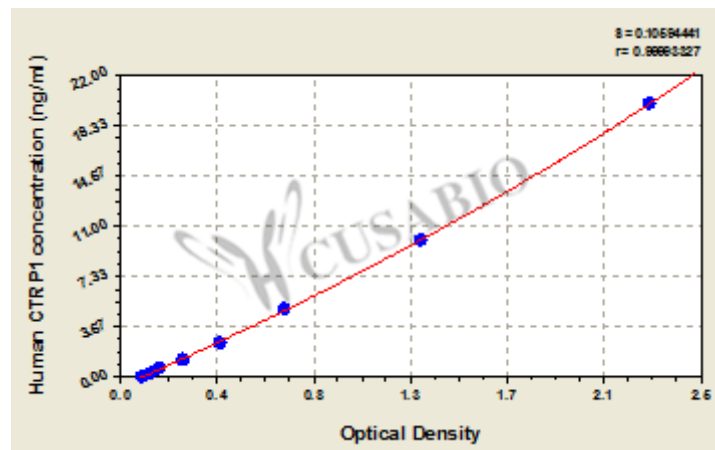
Recovery

The recovery of human CTRP1 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)	91	87-95
EDTA plasma (n=4)	103	98-107

Typical

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



ng/ml	OD1	OD2	Average	Corrected
20	2.274	2.312	2.293	2.190
10	1.258	1.354	1.306	1.203
5	0.698	0.735	0.717	0.614
2.5	0.430	0.447	0.439	0.336
1.25	0.275	0.288	0.282	0.179
0.625	0.174	0.184	0.179	0.076
0.312	0.139	0.147	0.143	0.040
0	0.102	0.103	0.103	?

Msds

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