Human Prokineticin-2(PROK2) ELISA kit

Product Code	CSB-EL018747HU
Abbreviation	PROK2
Protein Biological Process 1	Neurobiology
Target Name	prokineticin 2
Uniprot No.	Q9HC23
Alias	BV8, KAL4, MIT1, PK2, protein Bv8 homolog
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Biological rhythms
Sample Types	serum, plasma, cell culture supernates, 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	Neuroscience
Gene Names	PROK2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human PROK2 ELISA Kit was designed for the quantitative measurement of Human PROK2 protein in serum, plasma, cell culture supernates, 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 encodes a protein expressed in the suprachiasmatic nucleus (SCN) circadian clock that may function as the output component of the circadian clock. The secreted form of the encoded protein may also serve as a chemoattractant for neuronal precursor cells in the olfactory bulb. Proteins from other vertebrates which are similar to this gene product were isolated based on homology to snake venom and secretions from frog skin, and have been shown to have diverse functions. Mutations in this gene are associated with Kallmann

syndrome 4. Multiple transcript variants encoding different isoforms have been found for this gene.

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 PROK2 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 %	91-104
1:2	Average %	88
	Range %	86-91
1:4	Average %	99
	Range %	85-106
1:8	Average %	95
	Range %	89-98

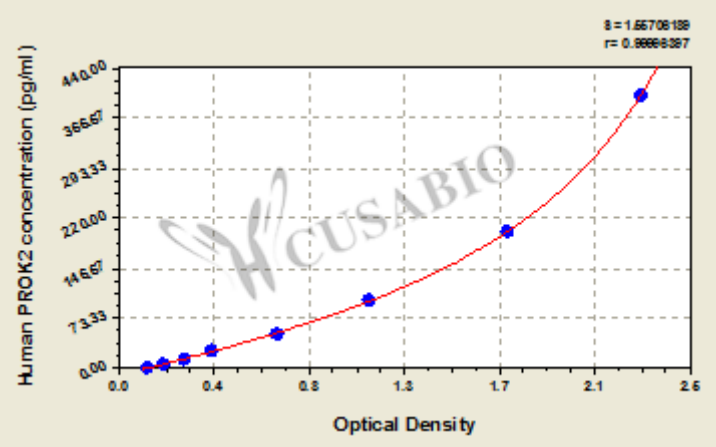
Recovery

The recovery of human PROK2 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)	94	89-97
EDTA plasma (n=4)	98	93-105

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
400	2.345	2.245	2.295	2.160
200	1.764	1.664	1.714	1.579
100	1.112	1.102	1.107	0.972
50	0.713	0.693	0.703	0.568
25	0.422	0.412	0.417	0.282
12.5	0.305	0.295	0.300	0.165
6.25	0.212	0.202	0.207	0.072
0	0.135	0.134	0.135	?

Msds

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