



Human Nuclear receptor subfamily 4 group A member 2(NR4A2) ELISA kit

Product Code	CSB-EL016063HU
Abbreviation	NR4A2
Protein Biological Process 1	Transcription/Transcription regulation
Target Name	nuclear receptor subfamily 4, group A, member 2
Uniprot No.	P43354
Alias	HZF-3, NOT, NURR1, RNR1, TINUR, NGFI-B/nur77 beta-type transcription factor homolog OTTHUMP00000204707 T-cell nuclear receptor NOT intermediate-early receptor protein nur related protein-1, human ho
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Transcription
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Others
Gene Names	NR4A2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human NR4A2 ELISA Kit was designed for the quantitative measurement of Human NR4A2 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Target Details	This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcription factor. Mutations in this gene have been associated with disorders related to dopaminergic



dysfunction, including Parkinson disease, schizophrenia, and manic depression. Misregulation of this gene may be associated with rheumatoid arthritis. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

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 NR4A2 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 %	94
	Range %	89-101
1:2	Average %	95
	Range %	86-106
1:4	Average %	96
	Range %	90-103
1:8	Average %	95
	Range %	82-102

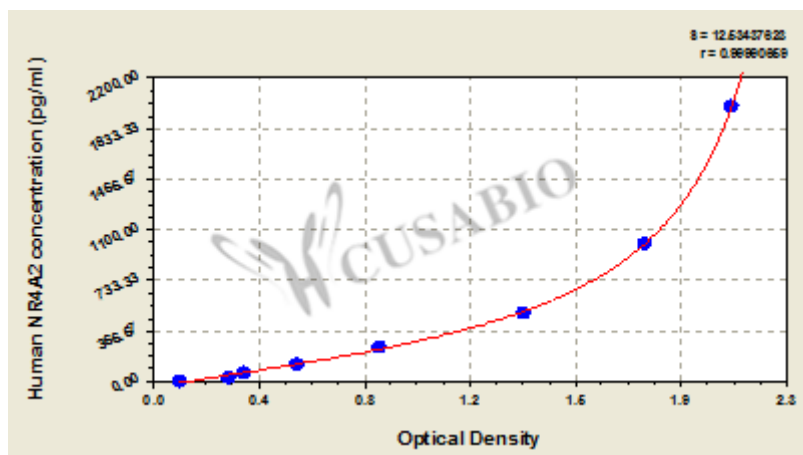
Recovery

The recovery of human NR4A2 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	86-96
EDTA plasma (n=4)	93	86-98

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
2000	2.084	2.098	2.091	1.988
1000	1.767	1.786	1.777	1.674
500	1.359	1.322	1.341	1.238
250	0.817	0.828	0.823	0.720
125	0.521	0.534	0.528	0.425
62.5	0.340	0.332	0.336	0.233
31.25	0.285	0.274	0.280	0.177
0	0.104	0.101	0.103	

Msds

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