



Human fibroblast growth factor-13,FGF-13 ELISA Kit

Product Code	CSB-E13849h
Abbreviation	FGF13
Target Name	fibroblast growth factor 13
Uniprot No.	Q92913
Alias	RP6-27P15.3, FGF2, FHF-2, FHF2, fibroblast growth factor homologous factor 2
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates
Detection Range	12.5 pg/mL-800 pg/mL
Sensitivity	3.12 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	FGF13
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human FGF13 ELISA Kit was designed for the quantitative measurement of Human FGF13 protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 12.5 pg/mL-800 pg/mL and the sensitivity is 3.12 pg/mL.

Target Details

This protein is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. This gene is located in a region on chromosome X, which is associated with Borjeson-Forssman-Lehmann syndrome (BFLS), making it a possible candidate gene for familial cases of the BFLS, and for other syndromal and nonspecific forms of X-linked mental retardation mapping to this region. Alternative splicing of this gene at the 5' end results in several transcript variants encoding different isoforms with different N-termini.



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 FGF-13 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)
	Average %	85
1:1	Range %	80-90
	Average %	96
1:2	Range %	92-100
	Average %	90
1:4	Range %	85-94
	Average %	92
1:8	Range %	88-96

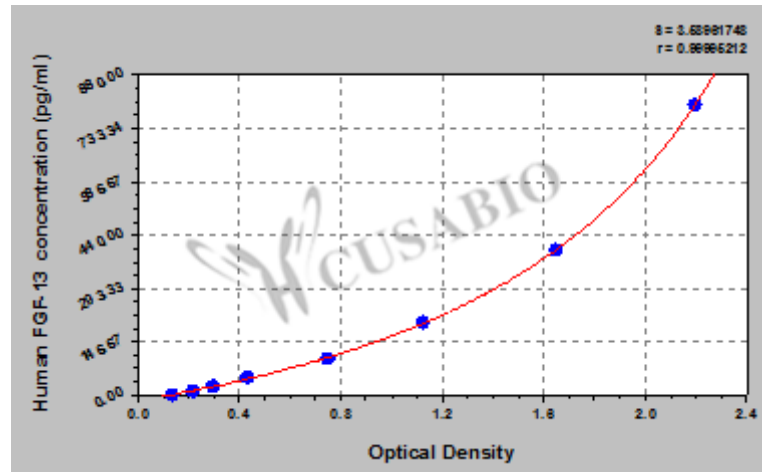
Recovery

The recovery of human FGF-13 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)	88	84-92
EDTA plasma (n=4)	104	100-109

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
800	2.152	2.263	2.208	2.062
400	1.607	1.712	1.660	1.514
200	1.179	1.096	1.138	0.992
100	0.781	0.745	0.763	0.617
50	0.435	0.451	0.443	0.297
25	0.314	0.307	0.311	0.165
12.5	0.228	0.234	0.231	0.085
0	0.143	0.149	0.146	?

Msds

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