



# Human secreted frizzled-related protein 5(SFRP5) ELISA Kit

<b>Product Code</b>	CSB-E13427h
<b>Abbreviation</b>	SFRP5
<b>Protein Biological Process 1</b>	Developmental Protein
<b>Target Name</b>	secreted frizzled-related protein 5
<b>Uniprot No.</b>	Q5T4F7
<b>Alias</b>	SARP3, secreted apoptosis related protein 3
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Differentiation
<b>Sample Types</b>	serum, plasma, cell culture supernates, tissue homogenates
<b>Detection Range</b>	1.56 pg/mL-100 pg/mL
<b>Sensitivity</b>	0.39 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Stem Cells
<b>Gene Names</b>	SFRP5
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Human SFRP5 ELISA Kit was designed for the quantitative measurement of Human SFRP5 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 pg/mL-100 pg/mL and the sensitivity is 0.39 pg/mL.

**Target Details**

Secreted frizzled-related protein 5 (SFRP5) is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and



moderately expressed in the pancreas.

### 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 SFRP5 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)
1:200	Average %	87
	Range %	81-95
1:400	Average %	96
	Range %	90-105
1:800	Average %	101
	Range %	90-110
1:1600	Average %	93
	Range %	86-98

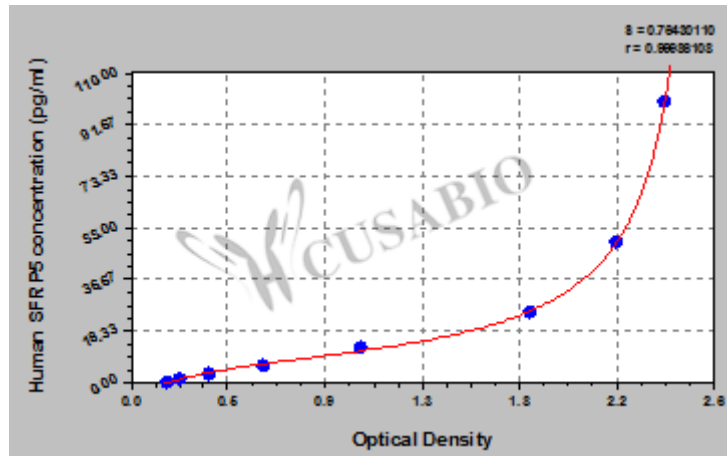
### Recovery

The recovery of human SFRP5 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	85-98
EDTA plasma (n=4)	91	88-100

### 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
100	2.491	2.352	2.422	2.241
50	2.232	2.176	2.204	2.023
25	1.852	1.784	1.818	1.637
12.5	1.061	1.039	1.050	0.869
6.25	0.628	0.594	0.611	0.430
3.12	0.374	0.359	0.367	0.186
1.56	0.246	0.229	0.238	0.057
0	0.185	0.177	0.181	?

## Msds

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