



# Human thymidinephosphorylase,TP ELISA Kit

<b>Product Code</b>	CSB-E10814h
<b>Abbreviation</b>	TYMP
<b>Protein Biological Process 1</b>	Angiogenesis
<b>Target Name</b>	thymidine phosphorylase
<b>Uniprot No.</b>	P19971
<b>Alias</b>	ECGF1, MNGIE, PDECGF, TP, hPD-ECGF, OTTHUMP00000196769 endothelial cell growth factor 1 (platelet-derived) gliostatin
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Angiogenesis
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	62.5 ng/mL-4000 ng/mL
<b>Sensitivity</b>	15.6 ng/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>	Signal Transduction
<b>Gene Names</b>	TYMP
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human TYMP ELISA Kit was designed for the quantitative measurement of Human TYMP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 ng/mL-4000 ng/mL and the sensitivity is 15.6 ng/mL.
<b>Target Details</b>	This gene encodes an angiogenic factor which promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. It has a highly restricted target cell specificity acting only on endothelial cells. Mutations in this gene have been associated with mitochondrial neurogastrointestinal encephalomyopathy. Multiple alternatively spliced variants, encoding the same



protein, have been identified.

### 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 TP 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 %	90
	Range %	88-94
1:2	Average %	96
	Range %	90-103
1:4	Average %	101
	Range %	96-106
1:8	Average %	88
	Range %	81-95

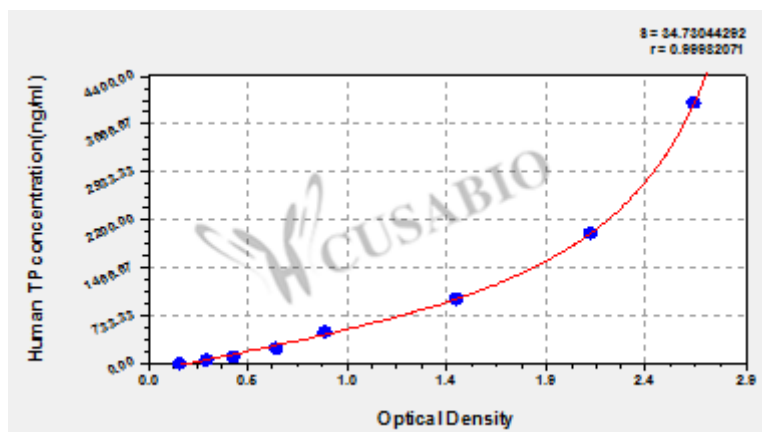
### Recovery

The recovery of human TP 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)	90	85-95
EDTA plasma (n=4)	102	98-106

### 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
4000	2.521	2.694	2.608	2.445
2000	2.171	2.062	2.117	1.954
1000	1.423	1.541	1.482	1.319
500	0.855	0.858	0.857	0.694
250	0.611	0.633	0.622	0.459
125	0.402	0.446	0.424	0.261
62.5	0.298	0.292	0.295	0.132
0	0.159	0.166	0.163	

## Msds

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