



User's Manual

Human EPRS(glutamyl-prolyl-tRNA synthetase) ELISA Kit



DEIA-NS2307-125



96T



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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PRODUCT INFORMATION

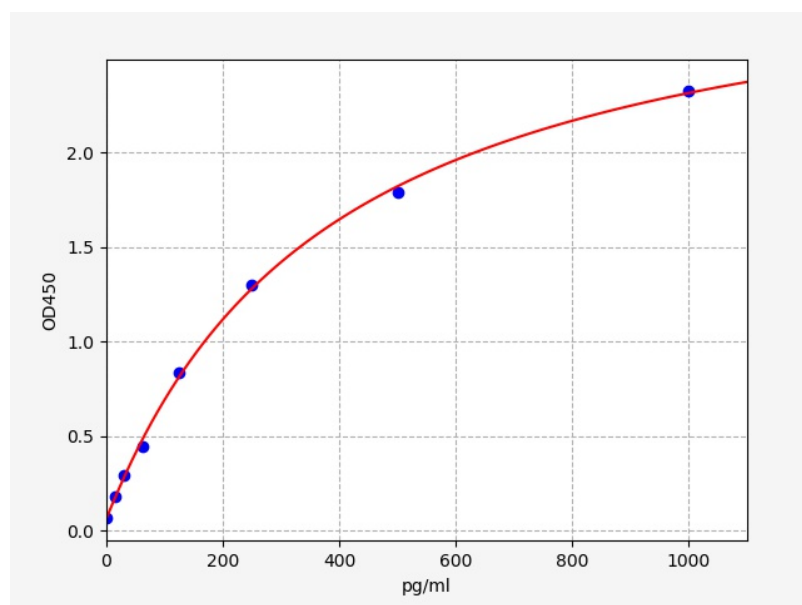
Intended Use

EPRS ELISA Kit allows for the in vitro quantitative determination of EPRS concentrations in serum, plasma, tissue homogenates and other biological fluids.

Storage

2-8 °C for 6 months

Typical Standard Curve



Precision

Intra-Assay: CV<8%

Inter-Assay: CV<10%

Detection Range

15.625-1000pg/ml

Sensitivity

< 9.375pg/ml

Linearity

The linearity of the kit was assayed by testing samples spiked with appropriate concentration of EPRS and their serial dilutions. The results were demonstrated by the percentage of calculated concentration to the expected.

Sample	1:2	1:4	1:8
serum(n=5)	85-98%	88-105%	86-97%
EDTA plasma(n=5)	87-96%	88-101%	85-101%
heparin plasma(n=5)	83-95%	84-93%	81-98%

Recovery

Matrices listed below were spiked with certain level of EPRS and the recovery rates were calculated by comparing the measured value to the expected amount of EPRS in samples.

Matrix	Recovery range(%)	Average(%)
serum(n=5)	89-100	94
EDTA plasma(n=5)	85-100	95
heparin plasma(n=5)	88-96	91