

Human COP9 signalosome complex subunit 1 (GPS1) ELISA Kit | GPS1 elisa kit

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CATALOG #
AAA244392

REACTIVITY
Human

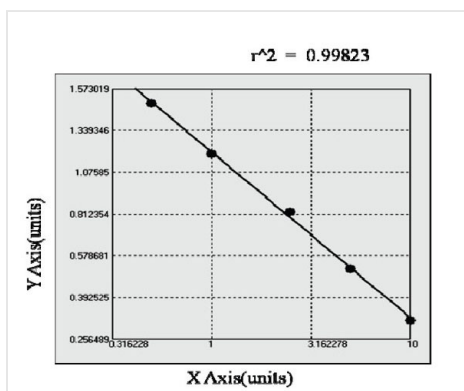
PRODUCT SYNONYMS

COP9 signalosome complex subunit 1 (GPS1); Human COP9 signalosome complex subunit 1 (GPS1) ELISA Kit; GPS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 mug/mL.
Intended Uses	This GPS1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GPS1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPS1 elisa kit

Principle of the assay: GPS1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GPS1 antibody and an GPS1-HRP conjugate. The assay sample and buffer are incubated together with GPS1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GPS1 concentration since GPS1 from samples and GPS1-HRP conjugate compete for the anti-GPS1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GPS1 from the sample, fewer sites are left to bind GPS1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPS1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5670324
Molecular Weight	59,050 Da
NCBI Official Full Name	Gps1
UniProt Protein Name	COP9 signalosome complex subunit 1
UniProt Gene Name	GPS1
UniProt Synonym Gene Names	COPS1; CSN1; SGN1; Signalosome subunit 1; GPS-1
UniProt Entry Name	CSN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cop9-signalosome-complex-subunit-1-gps1/244392>