

Datasheet for ABIN6239878
PLG Protein (AA 191-433) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	PLG
Protein Characteristics:	AA 191-433
Origin:	Rat
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This PLG protein is labelled with His tag.
Application:	Cell Culture (CC), Activity Assay (AcA)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 95 %
Biological Activity Comment:	<p>Plasminogen (Plg) can be converted into active plasmin by tissue plasminogen activator (tPA), urokinase plasminogen activator (uPA), kallikrein, and factor XII (Hageman factor). Plasmin can dissolve fibrin blood clots, act on many other processes such as embryonic development, tissue remodeling, inflammation and tumor invasion. Plasmin also activates collagenases, weakens the walls of the Graafian follicle, cleaves fibrin, fibronectin, thrombospondin, laminin, and von Willebrand factor. Besides, Actin Beta (ACTb) has been identified as an interactor of Plg, thus a binding ELISA assay was conducted to detect the interaction of recombinant rat Plg and recombinant rat ACTb. Briefly, Plg were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100µL were then transferred to ACTb-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-Plg pAb,</p>

Product Details

then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of of Plg and ACTb was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of Plg with ACTb.

Target Details

Target:	PLG
Abstract:	PLG Products
Background:	Alternative Names: PL, Plasmin, Activation peptide, Angiostatin
Molecular Weight:	38kDa
UniProt:	Q01177
Pathways:	Complement System , Lipid Metabolism

Application Details

Application Notes:	Isoelectric Point: 7.9
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

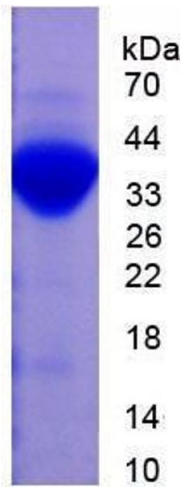


Image 1.