

Recombinant Human PLG protein, His-tagged

Cat. No. PLG-437H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLG (P00747) aa. (Leu100~Cys352) fused with His tag was produced in Yeast cells.
Species	Human
Source	Yeast
ProteinLength	Leu100~Cys352
Description	The protein encoded by this gene is a secreted blood zymogen that is activated by proteolysis and converted to plasmin and angiostatin. Plasmin dissolves fibrin in blood clots and is an important protease in many other cellular processes while angiostatin inhibits angiogenesis. Defects in this gene are likely a cause of thrombophilia and ligueous conjunctivitis. Two transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.4kDa; Accurate Molecular Mass: 35kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Characteristic	Isoelectric point is 8.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	PLG plasminogen [Homo sapiens (human)]
Official Symbol	PLG
Synonyms	PLG; plasminogen; plasmin
Gene ID	5340

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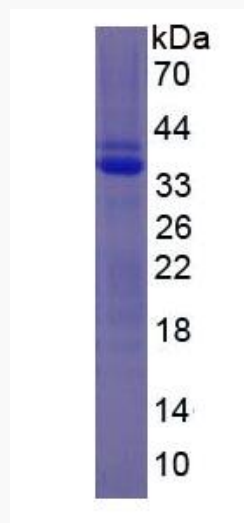
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mRNA Refseq [NM_000301.3](#)

Protein Refseq [NP_000292.1](#)

UniProt ID [P00747](#)

SDS-PAGE



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