

Recombinant Human PLG

Cat. No. PLG-31454TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of human Plasminogen kringle 1 + 2 + 3; 259 amino acids, 30.0 kDa.
Species	Human
Source	E.coli
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	Lyophilised:Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 4% Mannitol, 20mM Sodium acetate, pH 5.5
Storage	Aliquot and store at -80°C (add 1% BSA for extra stability). Avoid repeated freeze / thaw cycles.
Sequences of amino	VYLSECKTGN GKNYRGTM SK TKNGITCQKW SSTSPHRPRF SPATHPSEGL

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acids

EENYCRNPDN DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGENYDGKI
 SKTMSGLEQC AWDSQSPHAH GYIPSKFPNK NLKKNYCRNP DRELRPWCFT
 TDPNKRWELC DIPRCTTPPP SSGPTYQCLK GTGENYRGNV AVTVSGHTCQ
 HWSAQTPHHTH NRTPENFPCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC
 KIPSCDSSP

GENE INFORMATION

Gene Name [PLG plasminogen \[Homo sapiens \]](#)

Official Symbol [PLG](#)

Synonyms PLG; plasminogen;

Gene ID [5340](#)

mRNA Refseq [NM_000301](#)

Protein Refseq [NP_000292](#)

MIM [173350](#)

Uniprot ID [P00747](#)

Chromosome Location 6q26

Pathway

Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved

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	biosystem;
Function	apolipoprotein binding; cell surface binding; endopeptidase activity; peptidase activity; protein binding;