

Plasminogen (PLG) Recombinant Protein | PLG recombinant protein

Recombinant Human Plasminogen (PLG), Partial

CATALOG #
AAA235624

HOST
E Coli

PRODUCT SYNONYMS

Plasminogen (PLG); Recombinant Human Plasminogen (PLG); Partial; PLG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Present in plasma and many other extracellular fluids. It is synthesized in the liver.
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	274-560aa; partial
Sequence	QCLKGTGENY RGNVAVTVSG HTCQHWSAQT PHTHNRTPEN FPCKNLDENY CRNPDGKRAP WCHTTNSQVR WEYCKIPSCD SSPVSTEQLA PTAPPELTPV VQDCYHGDGQ SYRGTSSTTT TGKKCQSWSS MTPHRHQKTP ENYPNAGLTM NYCRNPADK GPWCFTTDPV VRWEYCNLKK CSGTEASVA PPPVLLPDV ETPSEEDCMF GNGKGYRGKR ATTVTGTPCQ DWAAQEPHRH SIFTPETNPR AGLEKNYCRN PDGDVGGPWC YTTNPRKLYD YCDVPQC
Species	Human
Tag	N-terminal 6xHis-tagged
Subcellular Location	Secreted
Protein Families	Peptidase S1 family, Plasminogen subfamily
Pathway	Complement And Coagulation Cascades
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for PLG recombinant protein

Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other processes including embryonic development, tissue remodeling, tumor invasion, and inflammation. In ovulation, weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator, collagenases and several complement zymogens, such as C1 and C5. Cleavage of fibronectin and laminin leads to cell detachment and apoptosis. Also cleaves fibrin, thrombospondin and von Willebrand factor. Its role in tissue remodeling and tumor invasion may be modulated by CSPG4. Binds to cells. Angiostatin is an angiogenesis inhibitor that blocks neovascularization and growth of experimental primary and metastatic tumors in vivo.

References	"Expression of recombinant human plasminogen and aglycoplasminogen in HeLa cells." Browne M.J., Chapman C.G., Dodd I., Carey J.E., Lawrence G.M.P., Mitchell D., Robinson J.H. Submitted (OCT-1991).
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505881
NCBI GeneID	5340
NCBI Accession #	NP_000292.1
NCBI GenBank Nucleotide #	NM_000301.3
UniProt Accession #	P00747
Molecular Weight	36.0 kDa
NCBI Official Full Name	plasminogen isoform 1
NCBI Official Synonym Full Names	plasminogen
NCBI Official Symbol	PLG
NCBI Protein Information	plasminogen
UniProt Protein Name	Plasminogen
UniProt Gene Name	PLG
UniProt Entry Name	PLMN_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/plg-recombinant-protein-e-coli/235624>