

Recombinant Full Length Human PLG Protein, GST-tagged

Cat. No. PLG-677HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PLG(1 a.a. - 810 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	810 amino acids
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 ligneous conjunctivitis. Two transcript variants encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	117 kDa
AA Sequence	MEHKEVLLLL LLFLKSGQGE PLDDYVNTQG ASLFSVTKKQ LGAGSIEECA AKCEEDEEFT CRAFQYHSKE QQCHEMAENR KSSIIIRMRD VVLFEKKVYL SECKTGNGKN YRGTMSTKN GITCQKWSST SPHRPRFSPA THPSEGLEEN YCRNPDNDPQ GPWCYTTPDPE KRYDYCDILE CEEECMHCSG ENYDGKISK MSGLECAWD SQSPHAHGYI PSKFPNKNLK KNYCRNPDPRE LRPWCFTTDP

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NKRWELCDIP RCTTPPPSSG PTYQCLKGTG ENYRGNVAVT VSGHTCQHWS
 AQTPHPTHNRT PENFPCKNLD ENYCRNPDGK RAPWCHTTNS QVRWEYCKIP
 SCDSSPVSTE QLAPTAPPEL TPVVQDCYHG DGQSYRGTS TTTTGKKCQS
 WSSMTPHRHQ KTPENYPNAG LTMNYCRNPD ADKGPWCFTT DPSVRWEYCN
 LKKCSGTEAS VVAPPPVLL PDVETPSEED CMFGNGKGYR GKRATTVTGT
 PCQDWAAQEP HRHSIFTPET NPRAGLEKNY CRNPDGDVGG PWCYTTNPRK
 LYDYCDVPQC AAPSFDCGKP QVEPKKCPGR VVGGCVAHPH SWPWQVSLRT
 RFGMHFCGGT LISPEWVLT AHCLKSPRP SSYKVILGAH QEVNLEPHVQ
 EIEVSRLFLE PTRKDIALLK LSSPAVITDK VIPACLPSPN YVVADRTECF
 ITGWGETQGT FGAGLLKEAQ LPVIENKVCN RYEFLNGRVQ STELCAGHLA
 GGTDSCQGDS GGPLVCFEKD KYILQGVTSW GLGCARPKNP GYVVRVSRFV
 TWIEGVMRNN

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

PLG plasminogen [Homo sapiens]

Official Symbol

PLG

Synonyms

PLG; plasminogen; plasmin; DKFZp779M0222

Gene ID

5340

mRNA Refseq

NM_000301

Protein Refseq

NP_000292

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MIM	173350
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UniProt ID	P00747
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