

## Plasminogen Protein, Human, Recombinant

### General Information

Synonyms: PLG; Plasminogen

Protein Construction: 98-356 aa

Species: Human

Expression Host: E. coli

Accession: P00747

Molecular Weight: 29.7 kDa (Predicted)

AA Sequence: VYLSECKTGNGKKNYRGTMSKTKNGITCQKWSSTSPHRPRFSPATHPSEGLEENYCRNPDNDPQGPWCYTDD  
PEKRYDYCDILECEEECMHCSGENYDYGKISKTMGSLCQAWDSQSPHAHGYPKFPNKNLKNYCRNPDRE  
LRPWCFTTDPNKRWELCDIPRCTTPPPSSGPTYQCLKGTGENYRGNVAVTVSGHTCQHWSAQTPHTHNRTP  
ENFPCKNLDENYCRNPDGKRAPWCHTTNSQVRWEYCKIPSCDSSP

### QC Testing

Biological Activity: Fully biologically active when compared to standard. The specific activity determined by an assay on anti-proliferation and anti-migration using endothelial cells in vitro and anti-angiogenesis in vivo is  $5.5 \times 10^5$  IU/mg.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.

Formulation: Lyophilized from a 0.2  $\mu$ m filtered 20 mM NaAc, pH 5.5, 4 % mannitol

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100  $\mu$ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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