

## Plasminogen Protein, Human, Recombinant (His)

### General Information

Synonyms: Plasminogen;PLG

Protein Construction: 274-560 aa

Species: Human

Expression Host: E. coli

Accession: P00747

Molecular Weight: 36.0 kDa (predicted)

AA Sequence: QCLKGTGENYRGNVAVTVSGHTCQHWSAQTPHHTNRTPENFPCKNLDENYCRNPDGKRAPWCHTTNSQV  
RWEYCKIPSCDSSPVSTEQLAPTAPPELTPVVQDCYHGDGQSYRGTSTTTTGKKCQSWSSMTPHRHQKTPE  
NYPNAGLTMNYCRNPDADKGPWCFTTDPVSRWEYCNLKKCSGTEASVVAPPPVLLPDVETPSEEDCMFGN  
GKGYRGKRATTVTGTPCQDWAQEPHRHSIFTPETNPRAGLEKNYCRNPDGDVGGPWCYTTNPRKLYDYCD  
VPQC

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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.

### Protein Background

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

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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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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