

Recombinant human Plasminogen protein (Active) ab200264

描述

产品名称	重组人Plasminogen蛋白(Active)
生物活性	Fully biologically active when compared to standard. The activity is assayed on anti-proliferation and anti-migration of endothelial cells <i>in vitro</i> and antiangiogenesis <i>in vivo</i> . The specific activity of anti-migration of endothelial cells <i>in vitro</i> is 0.55×10 ⁵ Units/mg.
纯度	> 95 % SDS-PAGE. >95% HPLC analyses.
内毒素水平	< 1.000 Eu/μg
表达系统	Escherichia coli
Accession	<u>P00747</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	VYLSECKTGN GKNYRGTM SK TKNGITCQKW SSTSPHRPRF SPATHPSEGL EENYCRNPDN DPQGPWCYTT DPEKRYDYCD ILECEEECMH CSGENYDGKI SKTMSGLE CQ AWDSQSPHAH GYIPSKFPNK NLKKNYCRNP DREL RPWCFT TDPNKRWELC DIPRCTTPPP SSGPTYQCLK GTGENYRGNV AVTVSGHTCQ HWSAQTPHTH NRTPENFPCK NLDENYCRNP DGKRAPWCHT TNSQVRWEYC KIPSCDSSP
预测分子量	30 kDa
氨基酸	98 to 356

技术指标

Our **Abpromise guarantee** covers the use of **ab200264** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies
	HPLC
	SDS-PAGE

形式	Lyophilized
补充说明	Endotoxin level determined by LAL method.
制备和贮存	
稳定性和存储	<p>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C. Avoid freeze / thaw cycle.</p> <p>pH: 5.50</p> <p>Constituents: 4% Mannitol, 0.16% Sodium acetate</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
复溶	<p>We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C.</p>
常规信息	
功能	<p>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.</p> <p>Angiostatin is an angiogenesis inhibitor that blocks neovascularization and growth of experimental primary and metastatic tumors in vivo.</p>
组织特异性	Present in plasma and many other extracellular fluids. It is synthesized in the liver.
疾病相关	<p>Defects in PLG are a cause of susceptibility to thrombosis (THR) [MIM:188050]. It is a multifactorial disorder of hemostasis characterized by abnormal platelet aggregation in response to various agents and recurrent thrombi formation.</p> <p>Defects in PLG are the cause of plasminogen deficiency (PLGD) [MIM:217090]. PLGD is characterized by decreased serum plasminogen activity. Two forms of the disorder are distinguished: type 1 deficiency is additionally characterized by decreased plasminogen antigen levels and clinical symptoms, whereas type 2 deficiency, also known as dysplasminogenemia, is characterized by normal, or slightly reduced antigen levels, and absence of clinical manifestations. Plasminogen deficiency type 1 results in markedly impaired extracellular fibrinolysis and chronic mucosal pseudomembranous lesions due to subepithelial fibrin deposition and inflammation. The most common clinical manifestation of type 1 deficiency is ligneous conjunctivitis in which pseudomembranes formation on the palpebral surfaces of the eye progresses to white, yellow-white, or red thick masses with a wood-like consistency that replace the normal mucosa.</p>
序列相似性	<p>Belongs to the peptidase S1 family. Plasminogen subfamily.</p> <p>Contains 5 kringle domains.</p> <p>Contains 1 PAN domain.</p> <p>Contains 1 peptidase S1 domain.</p>
结构域	Kringle domains mediate interaction with CSPG4.
翻译后修饰	N-linked glycan contains N-acetylglucosamine and sialic acid. O-linked glycans consist of Gal-GalNAc disaccharide modified with up to 2 sialic acid residues (microheterogeneity).

In the presence of the inhibitor, the activation involves only cleavage after Arg-580, yielding two chains held together by two disulfide bonds. In the absence of the inhibitor, the activation involves additionally the removal of the activation peptide.

细胞定位

Secreted. Locates to the cell surface where it is proteolytically cleaved to produce the active plasmin. Interaction with HRG tethers it to the cell surface.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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