

Recombinant Human PLAU/uPA Protein (active form), His Tag

产品信息

产品名称	产品编号	规格
Recombinant Human PLAU/uPA Protein (active form), His Tag	94209ES60	100 µg
	94209ES76	500 µg
	94209ES80	1 mg

产品描述

uPA is a serine protease with an extremely limited substrate specificity, cleaving the sequence Cys-Pro-Gly-Arg560-Val561-Val-Gly-Gly-Cys in plasminogen to form plasmin. uPA is a potent marker of invasion and metastasis in a variety of human cancers associated with breast, stomach, colon, bladder, ovary, brain and endometrium.

产品性质

Synonyms	PLAU; Urokinase; ATF; UPA; URK; u-PA; BDPLT5; QPD
Uniprot No.	P00749-1
Source	Recombinant Human PLAU/uPA Protein (active form) is expressed from HEK293 Cells with His tag at the C-terminal. It contains Ser21-Leu431, which consists of two chains: Long chain A (Ser21-Phe177) and chain B (Ile179-Leu 431). The long chain A is further cleaved to yield a short chain A (Lys156-Phe 177) and N-terminal fragment (Ser21-Lys155).
Molecular Weight	The protein has a predicted MW of 47.5 kDa. Due to protein lysis and glycosylation, the protein migrates to 24-26 kDa(long chain A), 35-38 kDa(chain B) and 52-60 kDa(long chain A&chain B) based on Tris-Bis PAGE result.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% as determined by SDS-PAGE and HPLC
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22µm filtered solution in 25mM HEPES, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL` is recommended. Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

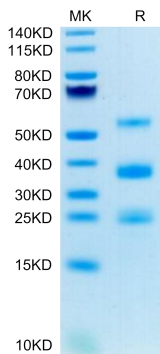
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

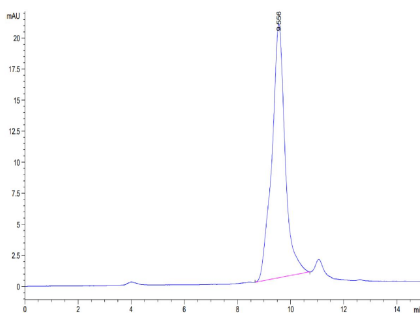
产品数据

Tris-Bis PAGE



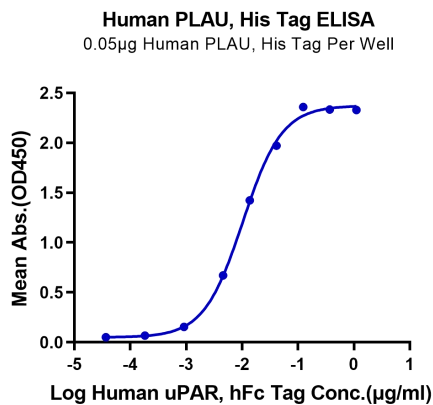
Human PLAU (activated by trypsin) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



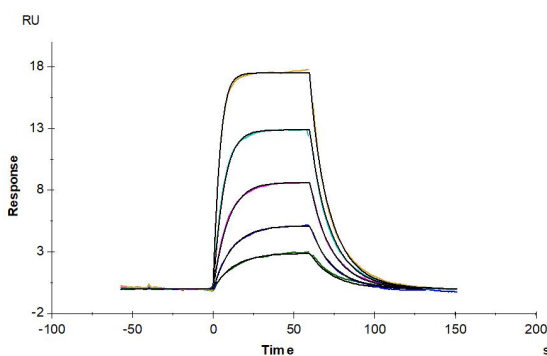
The purity of Human PLAU (activated by trypsin) is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human PLAU, His Tag at 0.5 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human uPAR, hFc Tag with the EC50 of 10.3ng/ml determined by ELISA.

SPR Data



Mouse uPAR isoform 1, His Tag immobilized on CM5 Chip can bind Human PLAU, His Tag with an affinity constant of 5.87 nM as determined in SPR assay.