

Recombinant Human uPA/PLAU Protein

Catalog No.: RP00652

Sequence Information

Species	Gene ID
Human	5328
Swiss Prot	Tags
P00749-1	C-His

Synonyms

PLAU; Urokinase; ATF; UPA; URK;
u-PA; BDPLT5; QPD

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW/Observed MW

17.9, 29.2, 15.3 30-38, 17 kDa
kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in 25mM HEPES, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Please contact us for reconstitution instructions.

Background

Plasminogen activator, urokinase (uPA) is a secreted serine protease whose Dysregulation is often accompanied by various cancers. PLAU inhibition could suppress tumor growth. Collectively, PLAU is necessary for tumor progression and can be a diagnostic and prognostic biomarker in HNSCC.

Basic Information

Description

Recombinant Human PLAU/uPA Protein (active form) is expressed from HEK293 with His tag at the C-Terminus. It contains Ser21-Leu431, which consists of two chains: Long chain A (Ser21-Phe177) and chain B (Ile179-Leu431). The long chain A is further cleaved to yield a short chain A (Lys156-Phe177) and N-Terminus fragment (Ser21-Lys155) .

Activity

Measured by its ability to cleave a peptide substrate, N-carbobenzyloxy-Gly-Gly-Arg-7-amido-4-methylcoumarin (Z-GGR-AMC). The specific activity is >2000 pmol/min/μg.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

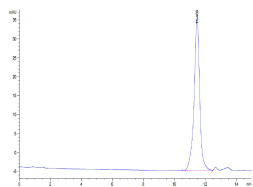
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

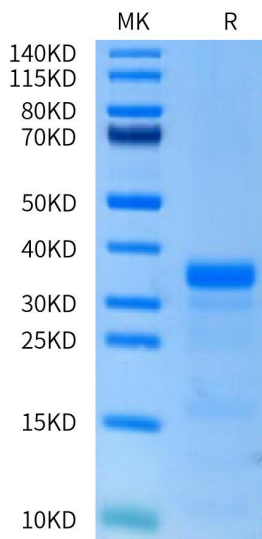
Contact

		400-999-6126
		cn.market@abclonal.com.cn
		www.abclonal.com.cn

Validation Data



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



Recombinant Human uPA/PLAU Protein was determined by Tris-Bis PAGE under reducing conditions.