

Recombinant Human uPA/PLAU Protein

Catalog No.: RP00146LQ

Sequence Information

Species **Gene ID**
Human 5328

Swiss Prot **Tags**
P00749 C-His

Synonyms

PLAU,ATF,BDPLT5,QPD,UPA,URK,
u-PA,urokinase

Product Information

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

Calculated MW **Observed MW**
49.36 kDa 55 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

Formulation

Supplied as a 0.22 μm filtered
solution in 20mM HEPES, 150mM
NaCl, 2mM CaCl₂, 10% Glycerol, pH
7.5. Contact us for customized
product form or formulation.

Reconstitution

Background

Plasminogen activator, urokinase, also known as PLAU and uPA, is a serine protease which converts plasminogen to plasmin, a broad-spectrum protease active on extracellular matrix (ECM) components. It is involved in complement activation, cell migration, wound healing, and generation of localized extracellular proteolysis during tissue remodelling, pro-hormone conversion, carcinogenesis and neoplasia. uPA and its receptor (uPAR) have been implicated in a broad spectrum of pathophysiological processes, including fibrinolysis, proteolysis, inflammation, atherogenesis and plaque destabilization, all of which are involved in the pathogenesis of MI (myocardial infarction). The role of uPA is not only does it as a kind of enzyme, but also is breast cancer, stomach cancer, colon cancer, bladder cancer, ovarian cancer, brain, and endometrial cancer markers for a strong invasion and metastasis. Because of the causal involvement of uPA in cancer invasion and metastasis, the blockade of uPA interactions and activity with specific inhibitors is of interest for novel strategies in cancer therapy.

Basic Information

Description

Recombinant Human uPA/PLAU Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Leu431) of human Urokinase/PLAU (Accession #NP_002649.1) fused with a 8×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Human uPAR Protein at 1 μg/mL (100 μL/well) can bind PLAU with a linear range of 0.031–1.014 ng/mL.

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 -70°C

Operational Notes

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

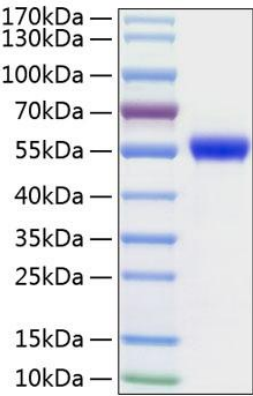
Contact

☎ | 400-999-6126

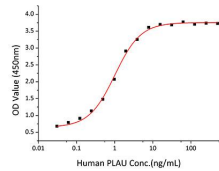
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human uPA/PLAU Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human uPAR Protein at 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind PLAU with a linear range of 0.031–1.014 ng/mL.